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Fall 1959

Spring 1960

FRUIT TREE CATALOG

*and Garden Guide*

# Best from the West

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U. S. Department of Agriculture

## C&O Exclusive Brands



# Columbia & Kanogan Nursery

"THE WENATCHEE NURSERIES"

P.O. BOX 116

Since 1906

WENATCHEE, WASH.



# INTRODUCING

## The SPORT of SPORTS



Second generation fruit being examined by Leonard Hutchinson (discoverer), John, Bert, and Bob Snyder of the C & O Nursery.

Within the past few years several super-red sports of Delicious have been introduced, sports of both the Starking and Richared. To add to its list of outstanding commercial introductions, C & O Nursery now offers the first known sport of the Shotwell Delicious, a variety long known for its many fine characteristics both of tree and fruit.

### HISTORY

The original sport limb was discovered by Mr. Leonard Hutchinson in his Shotwell Delicious orchard near Tonasket, Washington. The fruit on this particular limb already showed considerable red color whereas the balance of the tree had not started coloring. He continued to watch this limb and by mid-August the fruit on this limb was almost fully colored whereas the balance of the tree was just beginning to show good color.

### Tested and Proven

The next spring Mr. Hutchinson topworked two younger trees and also arranged for the C & O Nursery to test the variety. Second generation fruit now has been produced for three years and shows the same characteristics as the parent limb so that it has been proven the variety is a true bud sport. And the comment made by one prominent horticulturist who has seen the bearing fruit for the past three years, in comparison with other similar sports, this new sport "tops them all" . . . which prompted our giving it the name TOPRED.

### The Fruit

To our knowledge, Topred Delicious is the earliest coloring of all the super red sports now being offered commercially. The apple starts coloring with stripes which are scarcely visible in the beautiful over-all finish color. The finish color is a much deeper red than either Royal Red or Redspur Delicious.

### Which Red Sport to Plant?

In deciding which of the Red Sports to plant the grower should consider his particular locality, the market he supplies and type of planting he prefers. We now are in a position to supply what you want . . . for a semi-dwarf, spur-type tree we recommend the REDSPUR DELICIOUS . . . for an early coloring, blush type the ROYAL RED DELICIOUS . . . and for the earliest color, striped type finishing a darker red the TOPRED DELICIOUS. All three proving "A real asset to the Fruit Industry".

### AVAILABILITY

Production still is limited to the availability of propagating wood; therefore, we encourage placing advance orders early so trees can be booked and reserved for planting time desired.

Be sure you are planting the GENUINE Variety, sold only by Columbia & Okanogan Nursery.



### PRICE on TOPRED DELICIOUS

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.75	\$1.50	\$1.25
3/8-1/2 in.	3 to 4 ft.	2.00	1.75	1.50
1/2-5/8 in.	4 to 6 ft.	2.25	2.00	1.60
5/8-3/4 in.	5 to 7 ft.	2.50	2.25	1.75

**COMMERCIAL FRUIT GROWERS**, ask for special Commercial Prices in lots of 50, 300, 1000 or more.



# The Sensational NEW REDSPUR



U. S. PLANT PATENT NO. 1822

## A LOOK TO THE FUTURE

Redspur Delicious opens up an entirely new outlook for Delicious apple growing.

Mr. Elon Gilbert states that from his observations Redspur Delicious will produce more fruit per acre, and possibly a saving in growing costs of as much as 25c per box—spraying, pruning, thinning and harvest costs greatly reduced because of the type tree.

## THE TREE

The Redspur Delicious tree appears to forecast the "orchard of the future".

The original bud sport was discovered as a whole tree in a block of Starking Delicious on the Elon Gilbert orchard near Parker, Washington. It exhibited a decidedly compact type growth with a pronounced tendency to form more spurs per unit length of wood, thereby lessening the terminal growth. It is estimated the terminal growth will average only  $\frac{2}{3}$  to  $\frac{3}{4}$  the length of shoots on adjacent Starking trees . . . this and the heavy annual bearing accounts for the dwarfing effect of the tree.

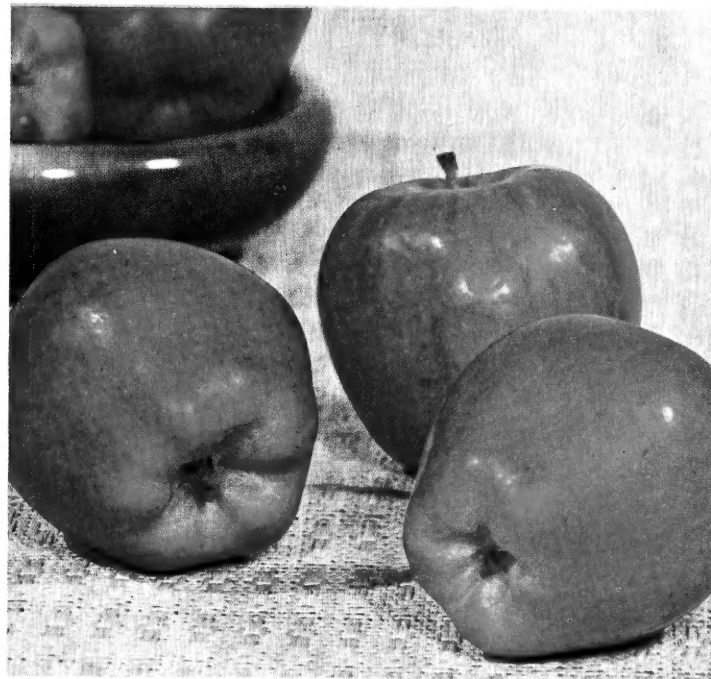
## SUGGESTED PLANTING

We recognize any particular variety of tree will vary in size when grown in different areas under varied climatic, soil and other conditions, including pruning methods; however, based on tree growth of Redspur Delicious in relation to a standard tree, recommended planting is 108 trees per acre (20 ft. on square) as a somewhat permanent planting. Eventually it may necessitate one removal.

Based on last year's production on the original tree (which has not reached full production), Mr. Gilbert reports a planting of 108 trees per acre would be producing 2,160 loose boxes. And practically 100% extra fancy color!



Winter photograph showing spacing of fruit spurs.  
(Photos by Elon Gilbert, Richey & Gilbert Co., Yakima, Wash.)



REDSPUR DELICIOUS

**REDSPUR DELICIOUS** color early, is a bright, bluish type of red and of good type. The finish color retains its bright attractive red and doesn't get the muddy dark appearance of some Starking sports.

Redspur Delicious has proven to be a heavy annual bearer—there are always resting spurs to produce the next year's crop. It also comes into bearing early and we estimate during the first ten years a grower can expect twice as much production as with regular Delicious.

## PRICE on REDSPUR DELICIOUS

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
$\frac{1}{4}$ - $\frac{3}{8}$ in.	2 to 3 ft.	\$1.75	\$1.50	\$1.25
$\frac{3}{8}$ - $\frac{1}{2}$ in.	3 to 4 ft.	2.00	1.75	1.50
$\frac{1}{2}$ - $\frac{5}{8}$ in.	4 to 6 ft.	2.25	2.00	1.60
$\frac{5}{8}$ - $\frac{3}{4}$ in.	5 to 7 ft.	2.50	2.25	1.75

**COMMERCIAL FRUIT GROWERS**, ask for special Commercial Prices in lots of 50, 300, 1000 or more.



**C&O**  
Exclusive  
Brands

Be sure you are planting  
the Genuine Variety . . .  
order direct from us.

New spur-type, semi-dwarf tree space  
apples along limbs instead of clusters.



**"SeeAndO"**

## RED ROME NO. 262



**NERO RED ROME** develops color earlier, starting with stripes which are scarcely visible in the bright red finish color. Of the newer Red Rome sports, this variety has shown greater color stability. It is a longer type apple than standard Rome Beauty, of uniform shape and matures at approximately the same time as conventional Rome varieties. Excellent storage keeping qualities.

The sport tree was discovered by Robert Lemcke on his ranch at Tieton, Washington, in 1948. Tree appears identical to the Rome Beauty . . . and has proven to be a good annual bearer.

We do not anticipate Nero Red Rome replacing the Seeando Red Rome No. 262. These two apples are somewhat different and it will depend on your market which variety will be in greatest demand. Nero Red Rome does have that "eye appeal" for the fresh fruit trade.



J. A. Snyder and Robert Lemcke are shown in front of the original tree holding U.S. Plant Patent No. 1414.

**SEEANDO RED ROME NO. 262** is one of the leading Red Rome strains planted in the U.S. This strain proved to be a great improvement over other earlier Red Romes and even with more recent introductions, has continued to hold the lead in commercial plantings.

Discovered as a bud sport by the C & O Nursery, this variety was thoroughly tested, including an initial planting by the Harry F. Byrd Orchards, Winchester, Virginia. Since then this organization has planted over 12,000 Seeando Red Rome No. 262 with most of the trees now in bearing.

Its solid, deep, brilliant red color adds greatly to its market value. The apple is more oval than a standard Rome, of good size and heavy cropper. Excellent storage keeping qualities.

Seeando Red Rome No. 262 trees possess all the characteristics of the standard Rome Beauty in manner of growth, appearance, production, early bearing and regularity of bearing.

Profitable bearing orchards prove the value of its attractive color and greater percentage of Extra Fancy colored fruit.

*R. Samuel Dillon, Jr., Hancock, Maryland (one of the largest fruit growers in the Middle Atlantic States) writes: "We bought our Seeando Red Rome No. 262 trees from C & O Nursery. We feel that this is the best Red Rome on the market, and we are planting them exclusively."*

### PRICE on NERO RED ROME

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.50	\$1.25	\$1.00
3/8-1/2 in.	3 to 4 ft.	1.75	1.50	1.15
1/2-5/8 in.	4 to 6 ft.	2.00	1.75	1.25
5/8-3/4 in.	5 to 7 ft.	2.25	2.00	1.40

**COMMERCIAL FRUIT GROWERS**, ask for special Commercial Prices in lots of 50, 300, 1000 or more.

### PRICE on SEEANDO RED ROME No. 262

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.35	\$1.15	\$ .90
3/8-1/2 in.	3 to 4 ft.	1.55	1.35	1.00
1/2-5/8 in.	4 to 6 ft.	1.70	1.55	1.10
5/8-3/4 in.	5 to 7 ft.	1.95	1.70	1.20

**COMMERCIAL FRUIT GROWERS**, ask for special Commercial Prices in lots of 50, 300, 1000 or more.

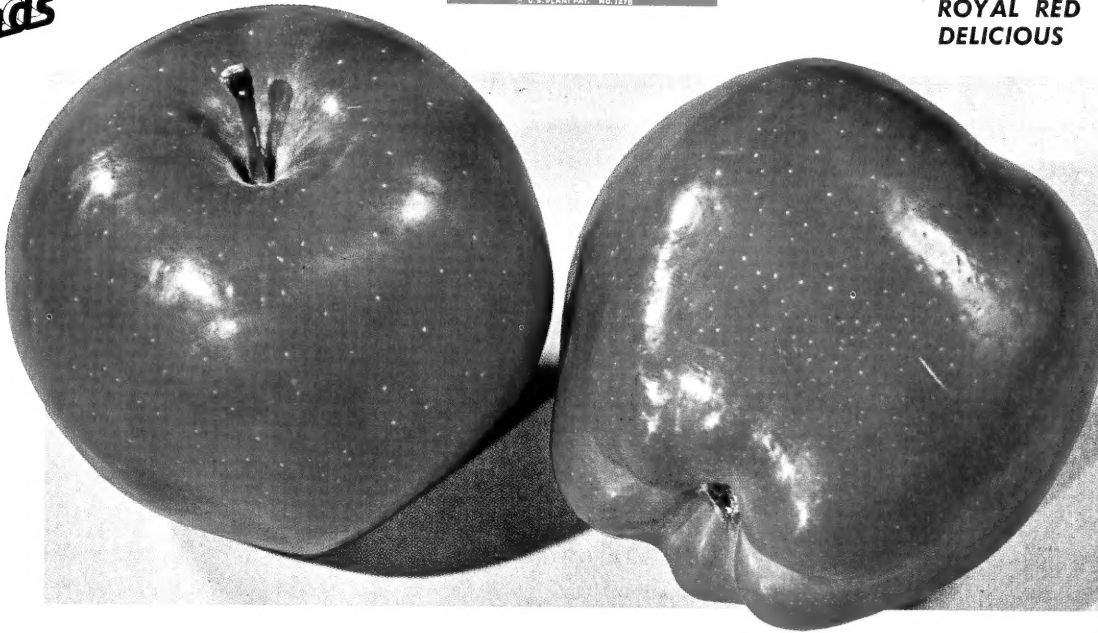
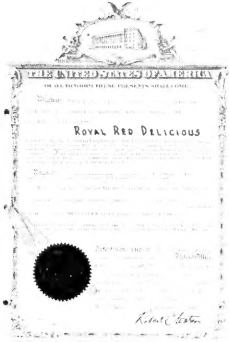


Be sure you are planting the Genuine Variety . . . order direct from us.





**ROYAL RED  
DELICIOUS**



This sensational new **ROYAL RED DELICIOUS** is the **oldest PROVEN variety** of the new early coloring red sports. Now coming into commercial production in most fruit growing areas of the United States.

Royal Red Delicious was discovered in our own orchards as a sport limb of Richared Delicious. It not only starts coloring much earlier, even in the most shaded part of the tree, but has a coloring which more nearly reaches its best at the time when the maturity of the apple also is at its best . . . and the **finish color at maturity means greater profit**. Royal Red Delicious also has proven to be an outstanding storage-keeping variety with its intense sparkling cherry red color remaining bright after several months in storage.

One of America's most outstanding quality apples. Better Varieties mean Greater Profits.



*Wilder Medal awarded to Richared Delicious. The highest award in horticulture and the only one ever awarded in the Northwest. Richared Delicious, now discontinued in favor of the Royal Red.*

#### **PRICE on ROYAL RED DELICIOUS**

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.50	\$1.25	\$1.00
3/8-1/2 in.	3 to 4 ft.	1.75	1.50	1.15
1/2-5/8 in.	4 to 6 ft.	2.00	1.75	1.25
5/8-3/4 in.	5 to 7 ft.	2.25	2.00	1.40

**COMMERCIAL FRUIT GROWERS**, ask for special Commercial Prices in lots of 50, 300, 1000 or more.

**Dwarf Fruit Trees are one of our specialties.**  
See pages 15, 16 and 17 for full details.

**BRANCH OF ROYAL RED DELICIOUS**



# PLANT C & O NORTHERN GROWN

## GENERAL PRICE LIST on APPLES

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.35	\$1.15	\$ .90
3/8-1/2 in.	3 to 4 ft.	1.55	1.35	1.00
1/2-5/8 in.	4 to 6 ft.	1.70	1.55	1.10
5/8-3/4 in.	5 to 7 ft.	1.95	1.70	1.20

**COMMERCIAL FRUIT GROWERS**, ask for special Commercial Prices in lots of 50, 300, 1000 or more.

Varieties marked with an asterisk (\*) recommended for Western Washington. Varieties listed in approximate order of ripening.

### Summer Varieties

\***CRIMSON BEAUTY**. Flaming red, good quality and size. Ripens about 10 days earlier than Lodi. Tree very hardy, vigorous, bears young and heavy producer.

\***WELLINGTON**. Large, annually productive and attractively red-striped. Hangs to the tree well and matures its fruit all at one time so requires only one picking. This new variety appears to be superior commercially to other varieties in its season . . . shows real promise as an early commercial sauce apple. Supply limited.

\***LODI**. Replacing Yellow Transparent. Fruit ripens a few days later but is larger and stands up better in shipping. Will bear every year through proper use of thinning.

\***NEW ORIOLE**. A very good quality apple for eating fresh . . . crisp and juicy. Good for pies, too. Large, attractive red color fruit and tree very hardy. Supply limited.

\***RED JUNE**. Attractive red skin, juicy and somewhat tart flavored. Hardy and productive. An old favorite.

### Home Grown Fruit Tastes Better

And, you can enjoy fresh fruit almost the year 'round whether your space is limited to a 50-foot lot or a half acre. See back cover for Home Garden Collections.

## Fall Varieties

\***EARLY McIntOSH**. Resembles McIntosh in appearance, almost red in color, but is less aromatic and more sprightly. Tree vigorous and productive but tends to set too heavy a crop on alternate years so that severe thinning is required to obtain a good commercial size.

\***RED GRAVENSTEIN**. Large, bright red, crisp and juicy. An old time favorite cooking apple, especially fine for pies. Hardy.

\***MURED McIntOSH** (Summerland Strain). The Summerland, B.C. Experiment Station selected this strain because of its greater color stability. Color solid, deep red and attains its color early. Crisp, juicy, distinctive flavor. Grows well over wide territory, especially desirable for high elevations. Hardy.

**SPARTAN**. A very attractive McIntosh type apple maturing about two weeks after McIntosh. It has firmer flesh than McIntosh and excellent dessert quality. Considered a better storage variety.

## Winter Varieties

**BLACKJON** (T.M. Reg.). Identical with common Jonathan in flavor, quality and productiveness. It is distinctly different in that every apple on the tree is colored a beautiful deep cherry-red from two to three weeks earlier. Blackjon can be picked while "hard ripe." Fruit is of good size . . . and Blackjon can solve your pollinizer problems.

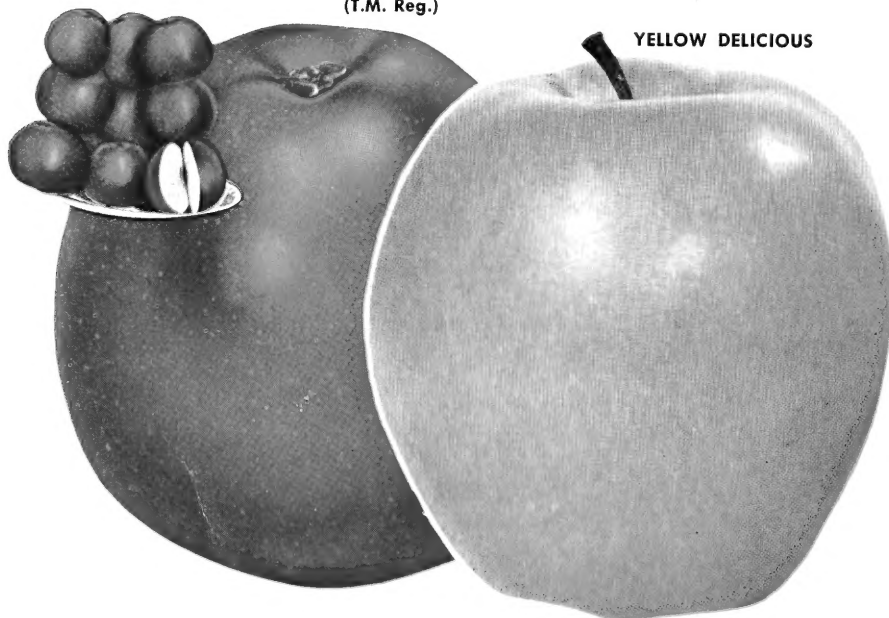
**IDARED**. Originated at the Idaho Agr. Experiment Station. It is a handsome solid red apple of good quality, medium to large. Creamy white, smooth textured flesh. A regular bearer and shows real promise as a late keeping dessert apple.

\***KING**. Beautiful large fruit, yellow splashed with crimson. Excellent dessert apple and widely planted in home orchards, especially good for Western Washington.

\***RED SPITZENBERG**. Fruit medium to large. One of the best canning and culinary. Should be planted in milder climates.

IMP. BLAXTAYMAN No. 201  
(T.M. Reg.)

YELLOW DELICIOUS



## PLANT A TRIO FAMILY ORCHARD

(3 trees in 1 hole)

See page 10 for  
Detailed Instructions

You can use either stand-  
ard or Dwarf Trees, and  
have just the varieties  
you want by ordering  
from our large selection  
of varieties.

Also, see back cover for  
Special Collections.

# Apple Trees

➤ **IMPROVED BLAXTAYMAN No. 201** (T.M. Reg.). One of the leading Stayman varieties planted in the U.S. Colors earlier, is deeper, richer, solid red. Very resistant to cracking, less wind-falls, better keeper in storage. Early bearing. Exclusive C & O introduction.

➤ **\*WINTER BANANA.** Fruit large size, color waxen yellow with delicate to bright red blush. Tart flavor, good cooker. Tree hardy, fairly vigorous, bears young.

➤ **\*YELLOW DELICIOUS.** Fruit large, juicy and of exceptionally good quality. Bears young and heavily. A popular commercial variety and every home orchard should have at least one tree.

P.4 ➤ **SEEANDO RED ROME No. 262** (T.M. Reg.). Profitable bearing orchards prove the value of this solid, deep, brilliant red colored bud sport of the Rome Beauty. One grower in Virginia alone has over 10,000 trees planted. A C & O introduction.

➤ **ANTONOVKA.** A Russian variety. Tree is exceptionally hardy and being recommended for those areas where a hardy top-working tree is desired. Fruit of no practical value.

➤ **HARALSON.** Good sized, red, long keeping apple. Comes into bearing early, heavy bearer and extremely hardy. Recommended for a hardy top-working tree.

➤ **IMPROVED SEEANDO WINESAP** (T.M. Reg.). An improved all-red Winesap. Colors with a stripe and does not tend to russet as will happen with a blush type. Fruit is of darker, earlier color and good size. A selection from the Mosebar strain.

➤ **YELLOW NEWTOWN** (Newtown Pippin). Fruit medium to large, color attractive light yellow, uniform shape and good size. High quality dessert, excellent for culinary use, a fine cider apple. Does best on lighter soils.

## CRAB APPLES

➤ **\*TRANSCENDENT.** One of the largest of the crabapples, red and yellow striped. Tree good grower, hardy, very productive. Season late August and September.

➤ **WHITNEY.** One of the most popular of the crabapples. Fruit large size for crabapple, good quality, color yellow striped with carmine, juicy, pleasant flavor. Tree thrifty grower, bears young, very productive. Season August-September.

---

WALLINGFORD, CONN.

*"We are pleased to report that the trees we received from you arrived in perfect condition. They are excellent trees with exceptionally nice root systems."*

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IMP. SEEANDO  
WINESAP  
(T.M. Reg.)

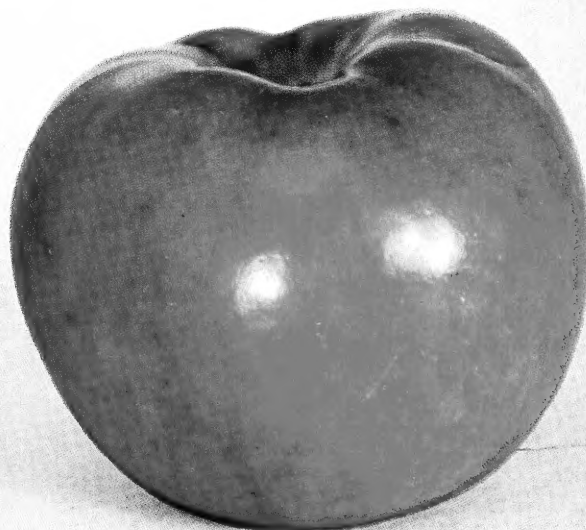
### HARDY APPLE UNDERSTOCK

By planting hardy trees and budding or grafting into the secondary leaders at a later date, the growing of most commercial varieties is made possible in areas where winter conditions usually cause serious injury.

Following are varieties being recommended:

EARLY McINTOSH	ANTONOVKA
NURED McINTOSH	HARALSON

BLACKJON  
(T.M. Reg.)



WELLINGTON



# PLANT C & O

## GENERAL PRICE LIST on PEARS

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.35	\$1.15	\$ .90
3/8-1/2 in.	3 to 4 ft.	1.55	1.35	1.00
1/2-5/8 in.	4 to 6 ft.	1.70	1.55	1.10
5/8-3/4 in.	5 to 7 ft.	1.95	1.70	1.20

**COMMERCIAL FRUIT GROWERS**, ask for special Commercial Prices in lots of 50, 300, 1000 or more.

Varieties marked with an asterisk (\*) recommended for Western Washington. Varieties listed in approximate order of ripening.

**BEURRE D'ANJOU.** Firm, rather large, flesh yellowish white, rich buttery flavor, good keeper. One of the leading commercial pears. C & O select strain bears earlier than the average Anjou.

\***DOYENNE DU COMICE.** Large, color clear handsome yellow, sometimes brightened by delicate blush. Rich, juicy, excellent dessert. Sometimes called "Royal Riviera".

**SECKEL.** Small, color yellowish brown marked with pale russet, often with russet red cheek. Excellent for culinary and pickling. Very sweet.

\***BEURRE BOSC** (Fall Russet). Rich yellow over-spread with cinnamon russet, flesh tender, melting, almost buttery, juicy with rich piquant flavor. Good quality.

**Be sure you are planting the GENUINE Varieties . . . order them direct from us.**

HENRY JESKE, Peshastin, Wash.

North Central Washington 1958 "Grower of the Year". Taken in Anjou pear block approximately one month before harvest.



"A PEAR OF BEAUTIES"  
Janet Hoard at Bartlett Pear harvest

Peshastin, Wash.  
Nov. 19, 1958

COLUMBIA & OKANOGAN NURSERY  
Wenatchee, Washington

Gentlemen:

I want to let you know how well pleased I am with my "C & O" orchard.

In 1947 I planted 10 acres of your special strain Anjou Pears and also 10 acres of your Bartlett Pears. The Anjou normally is considered slow coming into bearing however, with your early-bearing strain I was getting approximately 10 boxes to the tree in their 5th and 6th year. The trees are vigorous, heavy bearing and the fruit runs practically all No. 1 grade.

Irregardless of the disastrous freeze of 1955 which necessitated my replacing about one-fourth of the trees, I had 82,000 lbs. of Bartlett Pears in 1957 (only 485 lbs. were No. 2's) and that same year the 10-year old Anjous produced 2500 loose boxes. In 1958 this same block of Bartlett produced 98,000 lbs. (only 400 lbs. No. 2's) and the Anjou block jumped up to 5,600 loose boxes.

I have been planting C & O trees for 25 years and it is my honest opinion that they are the finest trees grown.

Sincerely,  
*Henry Jeske*

# NORTHERN GROWN Pear Trees

- **OLD HOME.** Blight resistant stock grown principally for top working to other commercial pear varieties. Hardy.
- **BARTLETT.** The leading commercial pear. Clear yellow slightly blushed with red, sometimes dotted with russet. Juicy, buttery, excellent dessert, canning and general purpose.

- FLEMISH BEAUTY.** Fruit medium to large, clear yellow overspread with brilliant red cheek. Shape rather globular. Quality improves when fruit is picked and ripened under cover. Tree very hardy and productive.
- FORELLE.** Small, very hard pear of nice shape. Used for pickling and also for display use.

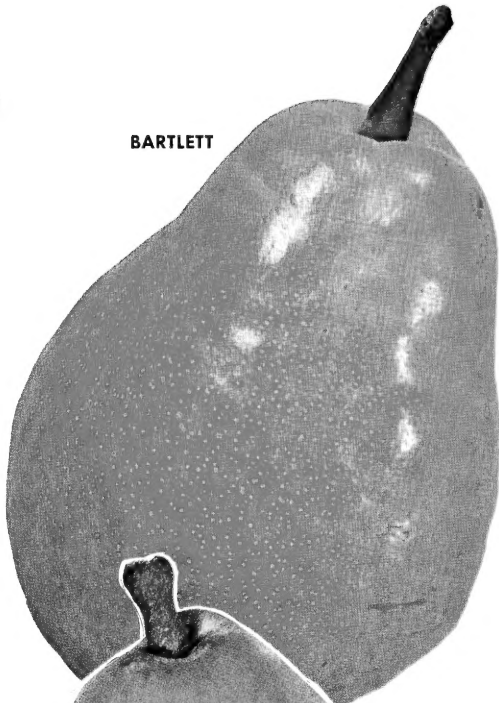
## ➤ MAX-RED BARTLETT (U.S. PLANT PAT. NO. 741)

Since its discovery, this variety each year continues to gain popularity among fruit growers. A bud sport of the Bartlett, its principal difference is the deep red color of the fruit when it first appears on the tree. As the underlying green turns yellow, the fruit develops a bright red cast. Based on premium prices this variety has been receiving on the New York auction, it has a special appeal to the fresh fruit consumer.

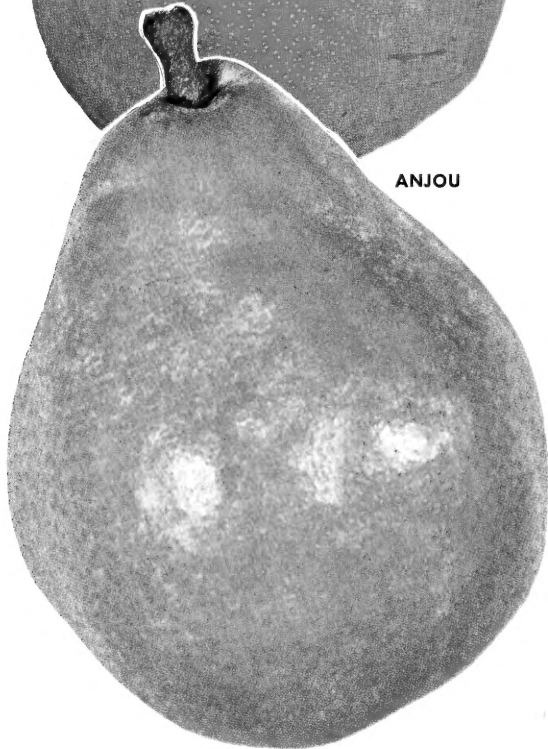
### PRICE on MAX-RED BARTLETT

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.50	\$1.25	\$1.00
3/8-1/2 in.	3 to 4 ft.	1.75	1.50	1.15
1/2-5/8 in.	4 to 6 ft.	2.00	1.75	1.25
5/8-3/4 in.	5 to 7 ft.	2.25	2.00	1.40

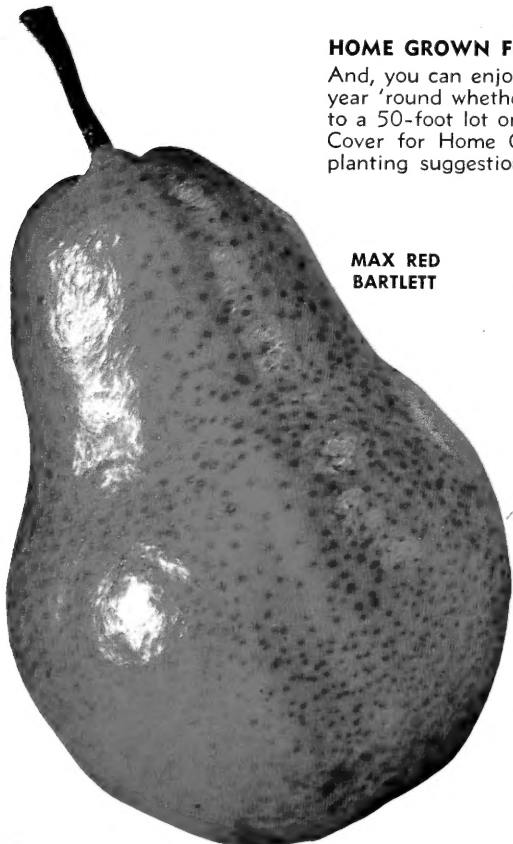
*COMMERCIAL FRUIT GROWERS, ask for special Commercial Prices in lots of 50, 300, 1000 or more.*



BARTLETT



ANJOU



MAX RED  
BARTLETT

**HOME GROWN FRUIT TASTES BETTER**  
And, you can enjoy fresh fruit almost the year 'round whether your space is limited to a 50-foot lot or a half acre. See Back Cover for Home Garden Collections and planting suggestions.

## QUINCE

This unusual fruit especially desirable for jellies and preserves. They grow best in good, deep soil. Trees are hardy, compact in growth, requiring but little space and come into early bearing.

➤ **PINEAPPLE.** The name comes from the flavor, which is suggestive of the pineapple. Fruit large, apple-shaped, light golden yellow, flesh white, tender.

### PRICE LIST on QUINCE

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.35	\$1.15	\$ .90
3/8-1/2 in.	3 to 4 ft.	1.55	1.35	1.00
1/2-5/8 in.	4 to 6 ft.	1.70	1.55	1.10
5/8-3/4 in.	5 to 7 ft.	1.95	1.70	1.20



**"PEACHES AT THEIR BEST"**  
Janet Hoard helping harvest J. H. Hale crop

# Peaches

Varieties marked with an asterisk (\*) recommended for Western Washington. Varieties listed in approximate order of ripening.

## GENERAL PRICE LIST on PEACHES

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.35	\$1.15	\$ .90
3/8-1/2 in.	3 to 4 ft.	1.55	1.35	1.00
1/2-5/8 in.	4 to 6 ft.	1.70	1.55	1.10
5/8-3/4 in.	5 to 7 ft.	1.95	1.70	1.20

**COMMERCIAL FRUIT GROWERS**, ask for special Commercial Prices in lots of 50, 300, 1000 or more.

"F" Denotes Freestone; "C" Clingstone; "SC" Semi-Cling.

**CARDINAL, S.C.** One of the earliest promising commercial varieties. Yellow-fleshed, firm and good texture. Fruit of good size and attractive color.

**SUNHAVEN, S.C.** Fruit medium large, nearly round and uniform in shape. Skin color bright red with sufficient bright golden ground color for attractive contrast. 10 days earlier than Redhaven. Promising new variety.

**DIXIRED, C.** A highly colored yellow-fleshed, bright red variety of excellent quality for this season. Tree is vigorous and productive.

**CORONET, S.C.** A very attractive, yellow-fleshed, early peach. Quality is exceptionally good for its season and the variety appears to be vigorous and productive. Introduced by the U.S.D.A. 1953.

**\*REDHAVEN, S.C.** A yellow-fleshed medium sized fruit that is well colored with brilliant red skin surface. High dessert quality and is excellent for canning and freezing, being a non-browning type. Produces an abundant set of fruit buds so requires early and thorough thinning. Month ahead of Elberta.

**\*GOLDEN JUBILEE, F.** Skin is yellow, blushed with red; flesh yellow, juicy, medium firm; tender and sweet. Desirable for home, local markets and canning.

**\*ROCHESTER, S.C.** Fruit is a rich golden yellow, meaty with a rich flavor. Medium size and excellent quality. Very hardy, thrifty grower and especially recommended for west of the Cascade Mountains.

**\*HERB HALE** (U.S. Plant Pat. No. 588), F. Resembles J. H. Hale in size and appearance. Fruit large, very firm, high quality and attractive appearance. It is an excellent home canner, smooth grained with practically no color at the pit. Bears early, heavy producer and vigorous grower. Exclusive "C & O" introduction.

**VALIANT, F.** Resembles Elberta but more globular in shape and of better quality. Considered best canner in Ontario, Canada.

**SLAPPY, F.** Large, deep yellow. One of the finest home canners. An old favorite.

**RICHHAVEN, F.** Fruits are large, nearly round, and uniform in size and shape. The ground color is bright golden overlaid with a large, bright red blush on the area exposed to the sun. Promising new variety.

## SPACE LIMITED? PLANT A TRIO

(3 TREES  
IN  
1 HOLE)

**A Family  
Orchard from  
a 2 ft. plot**



Enjoy a variety of fruits in the space required for just one tree. Plant all three trees in one hole, but space each tree approximately 18 to 24 inches apart. Each tree will grow up and produce lots of delicious juicy, tree-ripened fruit. A wonderful way to have a complete orchard in a limited space. Can use either standard trees or Dwarf trees, and have just the varieties you want by ordering from our large selection of varieties. See Back Cover.

**Please refer to page 31 for General Information  
... How to Order, Shipping Season and Planting  
Instructions.**



➤ **HALEHAVEN, F.** Is one of the oldest of the many so-called "new" peach varieties. It is very attractive, large and of good quality. Tree is vigorous, productive and hardy.

➤ **VETERAN, F.** Elberta type peach. Tree vigorous grower, early production. Very popular in Canada and west of Cascade Mountains. Hardy in bud.

➤ **REDGLOBE, F.** Has firm, yellow flesh of good flavor, and a bright, attractive skin color. Acceptable for canning and attractive as a frozen product. Has been tested in a number of the important peach areas and has been found especially suited to Pacific Coast conditions and other areas where Elbertas are grown.

➤ **EARLIHALE, F.** A very promising, yellow fleshed, mid-season peach—ripens with Halehaven. Good size, similar in appearance to J. H. Hale, very firm, medium texture and good flavor. Tree is vigorous and productive, requires cross pollinization.

➤ **EARLY IMPROVED ELBERTA** (Gleason strain), F. Excellent quality, good shipper and commercial canner. Fruit large, golden yellow with a rich and pleasant flavor. About one week ahead of Elberta. In some areas called Golden Elberta.

➤ **ELBERTA, F.** No other peach is the major commercial variety in as many peach districts in this country as Elberta. Fruit large, bright yellow, and well flavored. Ships and stores remarkably well.

➤ **REDSKIN, F.** Fruit round, yellow flesh, meets the quality requirements for canning and freezing. Well colored with a deep red blush covering the fruit even when ripening under shady conditions. Fruit appears less susceptible than Elberta to dropping before harvest.

➤ **J. H. HALE, F.** Very large golden yellow overlaid with brilliant carmine coloring. Yellow flesh, solid and meaty, free from stringiness. First class shipper. Requires cross-pollinization.

➤ **CANDOKA, F.** One of the most beautiful peaches grown. Because of its light pubescence, often called the "fuzzless" peach. About same size as J. H. Hale. Flesh exceptionally firm—almost as solid as a clingstone. Richly flavored. Requires cross-pollinization.

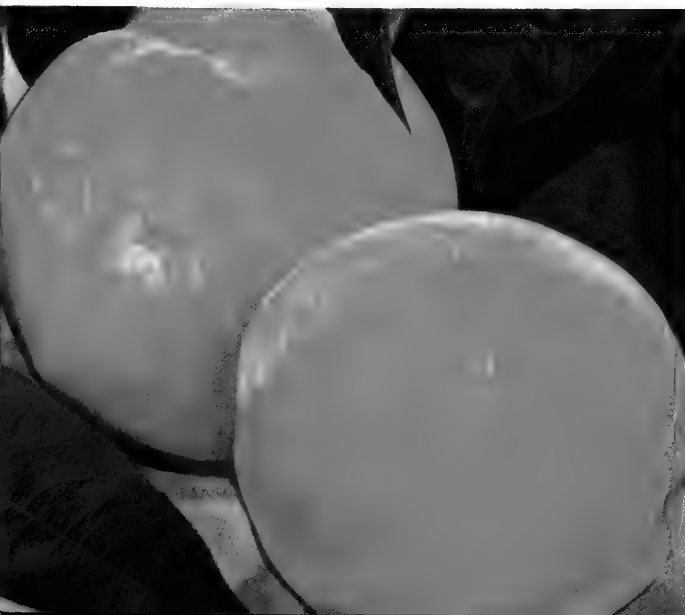
➤ **INDIAN BLOOD CLING.** Medium size, deep red with red flesh. Ideal for pickling and preserving.

➤ **MILLER (ORANGE) CLING.** Large fruit of uniform size. Deep golden flesh, very firm with pleasing flavor. Excellent for home canning. An old favorite.

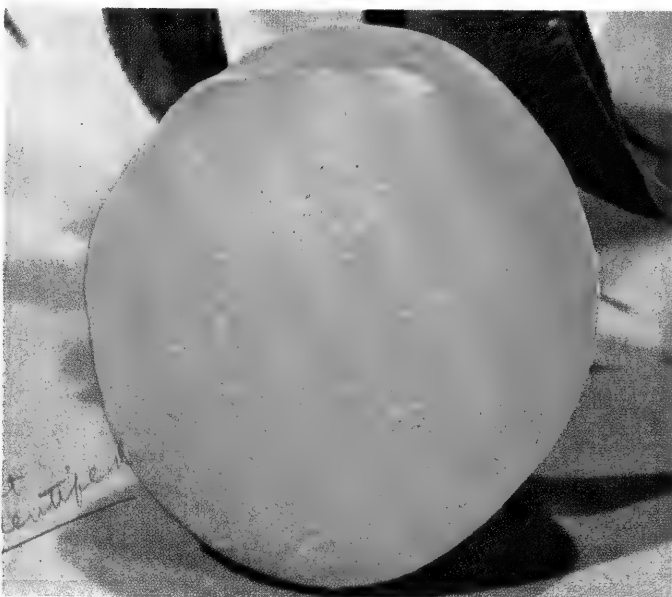
➤ **RIO OSO GEM, F.** About as large as J. H. Hale. Flesh deep yellow, very fine grained, firm texture with excellent, rich, juicy, sweet flavor. Matures about two weeks after J. H. Hale. Hangs well on the tree. Tree vigorous, prolific bearer. Excellent for freezing.

**Be sure you are planting the GENUINE Varieties . . . order them direct from us.**

**REDHAVEN**



**REDGLOBE**



**EARLY IMPROVED ELBERTA**

## Nectarines

A most delicious fruit. Similar to peaches, but have smooth skin and very aromatic. Their habits of growth and soil requirements are similar to peach.

➤ **SURE CROP (Freestone).** Fruit roundish, white and overlaid with attractive red. Flesh is white, firm, tender and very pleasing flavor. Tree vigorous and productive. Late midseason.

➤ **CAVALIER (Freestone).** Skin attractive red and yellow, good finish. Flesh yellow, good quality and flavor. Introduced 1952.

➤ **REDCHIEF (Freestone).** Skin highly colored—a bright red usually extending over the entire surface. Flesh white, firm and good quality. Keeps well in storage, matures about 10 days before Elberta Peach. Showy flower. Introduced 1952.

### GENERAL PRICE LIST on NECTARINES

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.35	\$1.15	\$ .90
3/8-1/2 in.	3 to 4 ft.	1.55	1.35	1.00
1/2-5/8 in.	4 to 6 ft.	1.70	1.55	1.10
5/8-3/4 in.	5 to 7 ft.	1.95	1.70	1.20

# Apricots

Varieties marked with an asterisk (\*) recommended for Western Washington. Varieties listed in approximate order of ripening.

**EARLIRIL.** A new introduction released jointly by the Washington Agricultural Station and the U.S.D.A. Fruit medium size, fine-textured and good flavor. The yellow-orange ground color is more than half covered with an attractive red blush. Requires cross-pollination.

**BLNRIL.** Another new introduction from the Irrigation Experiment Station, Prosser, Wash. Fruit medium size, attractively blushed like Earliril, and has firm yellow-orange flesh which is excellent quality. About same season as Riland. Self-fertile.

**RILAND.** One of the earliest commercial apricots. Globular in shape, easy to pick. Fruit is of high quality, good size, colors highly before it ripens and a splendid shipper. Recommend keeping the tree less vigorous, pruning rather lightly until starting to bear, and provide a pollinizer. Exclusive C & O introduction.

**SUN-GLO** (U.S. Plant Pat. No. 751). Medium size, fine quality and flavor with deep apricot yellow flesh. Attains its color before it ripens so can be picked firm ripe which makes it an exceptionally good apricot for fruit stand sale and for canning. Tree hardy and superior hardiness of fruit buds. Productive and fine shipper. Exclusive C & O introduction.

**PERFECTION.** Fruit oval to oblong, large size—even with heavy crops. Probably the largest fruited apricot available. Color a clear, yellow-orange to deep orange at full maturity—no blush. Quality good, texture satisfactory. Requires cross pollination. Very hardy.

**CHINESE.** This variety is early bearing, a heavy producer. Fruit medium size, yellow, good quality. Has been especially popular in Utah.

**WENATCHEE** (formerly called Wenatchee Moorpark). One of our first introductions about 1908. Large size, good quality, heavy annual bearer, and excellent shipper.

**BLNRHEIM.** One of the best known for drying and canning. Medium size, oval, deep yellow, excellent quality. Productive.

**\*TILTON.** Larger than Blenheim. Is adapted to drying, shipping and canning; however, does not rank as high as Blenheim. Considered one of the best varieties for Western Washington.

**J. L. BUDD.** A small Russian apricot. Very hardy. Will grow where other apricots fail. Delicious kernel.

PERRY, OKLAHOMA

*"The trees I received from you were the best looking trees I have ever received from any nursery, such a nice root system and hardy looking trees."*



**Be sure you are planting the GENUINE Varieties . . . order them direct from us.**

## GENERAL PRICE LIST on APRICOTS

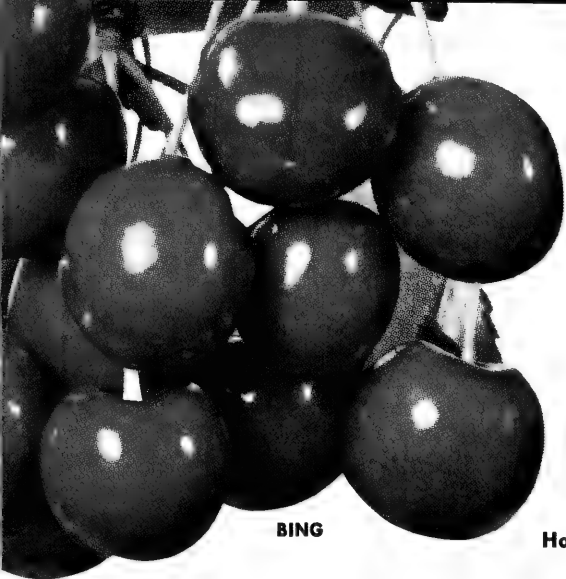
CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.35	\$1.15	\$ .90
3/8-1/2 in.	3 to 4 ft.	1.55	1.35	1.00
1/2-5/8 in.	4 to 6 ft.	1.70	1.55	1.10
5/8-3/4 in.	5 to 7 ft.	1.95	1.70	1.20

**COMMERCIAL FRUIT GROWERS,** ask for special Commercial Prices in lots of 50, 300, 1000 or more.

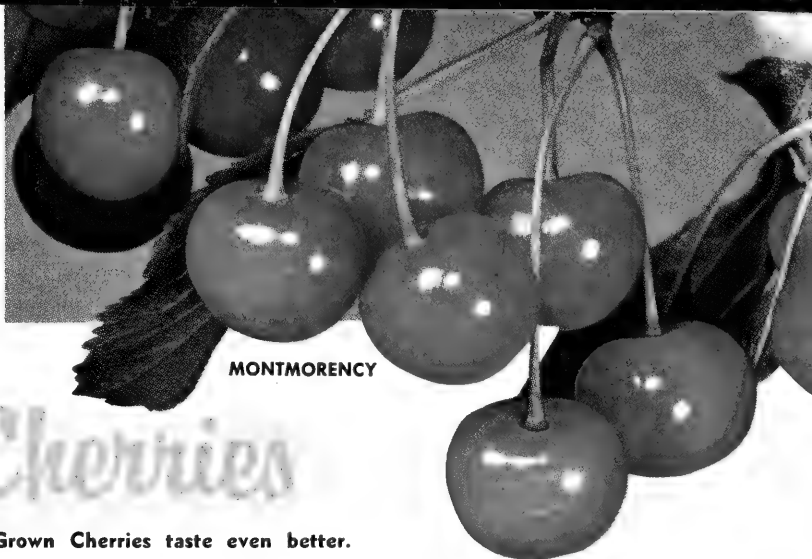
PERFECTION

RILAND

SUN-GLO



BING



MONTMORENCY

*Cherries*  
Home Grown Cherries taste even better.  
Every home orchard should have  
at least one.

## GENERAL PRICE LIST on CHERRIES

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.35	\$1.15	\$ .95
3/8-1/2 in.	3 to 4 ft.	1.55	1.35	1.05
1/2-5/8 in.	4 to 6 ft.	1.70	1.55	1.20
5/8-3/4 in.	5 to 7 ft.	1.95	1.70	1.35

**COMMERCIAL FRUIT GROWERS**, ask for special  
Commercial Prices in lots of 50, 300, 1000 or more.

Varieties marked with an asterisk (\*) recommended for  
Western Washington.

Varieties listed in approximate order of ripening.

## SOUR CHERRIES

**MAY DUKE.** Size medium, light to dark red, a popular sour  
variety for culinary use, finely flavored, juicy and rich.

**\*MONTMORENCY.** Medium size, dark red, good quality and  
flavor. One of the most popular sour cherries grown in America  
for home use and in commercial orchards. The leading sour  
cherry for commercial canneries. Good shipper. Ripens mid-  
season.

**\*LATE DUKE.** Fruit large, light red, good quality and flavor.  
A variation of well known May Duke, ripening considerably  
later. Not so sweet as May Duke, ripens through a longer sea-  
son. Blossoming time is late, adapting it to northern conditions.  
A popular home garden variety.

**Note:** Some varieties, especially sour cherries, make a lower  
height in relation to caliper. In these instances the caliper  
will govern the grades.

## Important Facts to Know When Ordering Cherry Trees

We gather and process our own cherry seed from trees approved  
by state horticulturists . . . trees visibly free from virus dis-  
eases. Under the supervision of our own trained crew as well  
as State and Federal Inspectors, these seedlings are grown and  
when budded only budwood from inspected trees of proven merit  
is used. These named varieties are grown another season with  
the same rigid inspection. After digging, the trees again are  
closely inspected for any irregularities—the trees you buy are  
the ones which have met and passed all these requirements.

## SWEET CHERRIES

**ROYAL ANN.** Fruit pale yellow with red cheek, large, firm,  
juicy and sweet. Its large size and attractive color give it pre-  
ference for canning, and a delicious, refreshing cherry for dessert.  
Trees bear early, are very productive. Should be pollinized.

**SAM.** A recent Canadian introduction. Fruit large, black and  
resembles Deacon in shape. Firm, of good quality, shows some  
resistance to cracking and is satisfactory for canning. About a  
week earlier than Bing and looks promising . . . Cross pollinizes  
with both Bing and Lambert.

**\*DEACON.** Certified pollinizer. Black, resembles Bing but not  
quite as large. Very resistant to cracking. While most polliniz-  
ing varieties have little commercial value, our **certified** Deacon  
has market value.

**\*VAN.** Certified pollinizer. Another recent Canadian introduc-  
tion. Fruit resembles Bing and of acceptable size and quality to  
make it a profitable commercial variety. Does require cross-  
pollinization; however, both Bing and Lambert prove very  
satisfactory.

**BING.** Fruit very large, black, almost unequaled in size, at-  
tractiveness and quality. One of the finest commercial sweet  
cherries. Hangs well on the tree, ripens evenly at one time. One  
of the best shipping and market varieties. Very desirable for  
the home garden. Ripens mid-season. Should be pollinized.

**BLACK REPUBLICAN.** Certified pollinizer. Fruit medium size,  
good quality and flavor, very dark red, almost black.

**LAMBERT.** Fruit large, heart-shaped, firm flesh, rich, sweet fla-  
vor. One of the finest shippers and a cherry of first rank for  
commercial production. About 2 weeks after Bing, and more  
resistant to late frosts than some of the other sweet varieties.  
Should be pollinized.

**SPALDING.** Introduced by University of Idaho. Follows Lambert.  
Fruit good size, black and very firm. Somewhat tart. Recom-  
mended only for experimental plantings.

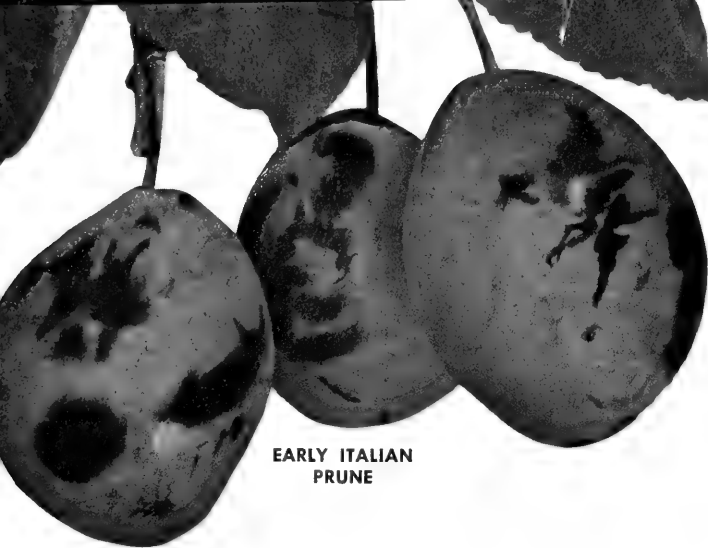
### BIGFORK, MONTANA

*"Thanks for your prompt service, and I congratulate  
you on all the nursery stock that I have seen here in  
our community on the Flathead. It has all been won-  
derful."*

## CHERRY POLLENIZATION

In general, only sweet cherries should be planted for cross-  
pollination of sweet cherries; however, some sour cherries such as  
Montmorency may serve as satisfactory pollenizers for most sweet  
cherries. Duke cherries are hybrids between the sweet and sour  
cherries and will generally set heavier crops when cross-pollinated  
by either sweet or sour cherries rather than by other Duke  
varieties.





EARLY ITALIAN  
PRUNE

## PRUNES

**EARLY ITALIAN** (Richards Strain). Resembles the Italian prune from which it developed as a bud sport. Has the good characteristics and fruiting qualities of Italian, and a good shipper. Most important—it is two weeks earlier than Italian.

\***SUGAR**. Fruit large, skin dark purple. Flesh golden yellow, tender, sweet, particularly good for home drying and canning. Contains almost 24% sugar. Tree vigorous, productive, hardy.

\***HUNGARIAN**. Fruit large, dark red, juicy and sweet. Its bright color, productiveness and shipping qualities make it profitable for home or market.

\***DOUBLE X FRENCH**. Sport of Petite—just as rich and sweet but larger. Excellent for drying, culinary and shipping.

**ITALIAN** (PR-H-1 Stock). One of the most widely planted varieties. Fruit medium size, dark purple skin, greenish yellow flesh which turns to dark wine color when cooked. Separates freely from pit. Excellent for eating fresh, canning and drying.

Please refer to page 31 for General Information . . .  
How to Order, Shipping Season, and Planting Instructions.

## C & O Special FAMILY ORCHARD

COLLECTION F

- 1 Yellow Delicious
- 1 Bartlett Pear
- 1 Herb Hale Peach
- 1 Sun-Glo Apricot
- 1 Late Duke Cherry
- 1 Hungarian Prune

ALL 6 TREES

5-7 ft. Extra Select Grade

for ONLY

**\$9<sup>00</sup>**

(Regular Value \$11.70—  
You Save \$2.70)

See back cover for other collections

SANTA ROSA  
PLUM  
↓



# Prunes & Plums

Varieties marked with an asterisk (\*) recommended  
for Western Washington.

Varieties listed in approximate order of ripening.

## General Price List on Plums and Prunes

CALIPER	APPROX. SIZE	EACH	10 LOTS	25 LOTS
1/4-3/8 in.	2 to 3 ft.	\$1.35	\$1.15	\$ .90
3/8-1/2 in.	3 to 4 ft.	1.55	1.35	1.00
1/2-5/8 in.	4 to 6 ft.	1.70	1.55	1.10
5/8-3/4 in.	5 to 7 ft.	1.95	1.70	1.20

**COMMERCIAL FRUIT GROWERS**, ask for special  
Commercial Prices in lots of 50, 300, 1000 or more.

"J" denotes Japanese—"E" European

## PLUMS

\***BEAUTY** (J). Similar in quality, texture and appearance to Climax but ripens over two weeks earlier. Fruit medium large, heart-shaped; color brilliant red, flesh yellow; exquisite flavor. Pollenizer for Santa Rosa.

\***CLIMAX** (J). Large, heart-shaped, deep red skin, yellow flesh. Good shipper. Ripens mid-June. Recommend cross pollination.

\***MAYNARD** (J). Large, nearly round, good quality, excellent for home use and shipping. Color rich crimson-purple.

\***SANTA ROSA** (J). One of the largest, most beautiful plums. Flesh yellow, delicious flavor, fragrant. Almost round, uniform in size and shape, dark crimson. Excellent shipper. Requires cross pollination.

\***SIMONII** (E). Small to medium size, shaped like tomato, brick red, firm yellow flesh, rather exquisite pineapple flavor. Not a heavy bearer, but a rare fruit for home gardens.

\***PEACH** (E). Large, roundish, skin purplish-red, flesh golden yellow. Excellent fresh, for dessert and also for canning.

\***IMPROVED DUARTE** (J). Large, blood-red plum of excellent quality. Fruit keeps well and is a good shipper. Suggest planting with Santa Rosa for cross pollination.

\***WILD**. This is the genuine "wild plum" found in the forests of the midwest and east. Good quality, medium size, bright red. Used for preserves, jelly and plum butter.

\***DAMSON** (E). Fruit small, oval, skin dark purple, flesh golden yellow. Excellent canner.

\***PRESIDENT** (E). A late ripening shipping plum, popular and profitable. Fruit is large, roundish, dark blue. Flesh is yellow and of fine texture. Recommend cross pollination.

# Dwarf Fruit Trees

Now you can enjoy delicious fresh fruit picked from your own trees—even if you have only a small city lot. These Dwarf Trees produce fruit just like that from standard size trees; however, you can put four dwarf trees in the space occupied by a single standard tree.

Dwarf trees are easier to care for, easier to pick from and you don't have great quantities of fruit to dispose of. And perhaps most important of all they start bearing much sooner than standard trees.

## Dwarf Peaches

**REDHAVEN.** Early, good quality, yellow flesh, highly colored.

**HERB HALE.** Large size, excellent quality, very good canned.

**VETERAN.** Elberta type, excellent for canning, late mid-season.

**J. H. HALE.** Solid and meaty, free from stringiness, late season.

## Dwarf Apricots

**SUN-GLO.** Medium size, beautiful glossy finish, fine quality.

**TILTON.** Medium size, excellent for canning and drying.

## Dwarf Plums

**MAYNARD.** A rich crimson-purple, large, nearly round, early.

**PEACH.** Very large, roundish, purplish-red, golden yellow flesh.

## Dwarf Prunes

**EARLY ITALIAN.** Resembles Italian, two weeks earlier.

**SUGAR.** Large, dark purple, yellow flesh, tender and sweet.

## Dwarf Pear

**BARTLETT.** Juicy, buttery, excellent canned or general purpose.

## Dwarf Apples

Dwarf Apples are grown on E.M. IX rootstock which makes a typical dwarf tree . . . under average conditions will grow about 8-10 feet at maturity. They also are propagated by the "interstock" method . . . a short piece of dwarfing stock is interposed between a standard rootstock and the scion variety which gives the dwarfing effect and also a better root; however, the dwarfing effect is less pronounced.

**Varieties available on E.M. IX rootstock (see apple section for descriptions)**

BLACKJON

GRAVENSTEIN

LODI

RED GRAVENSTEIN

IMPROVED SEEANDO WINESAP

ROYAL RED DELICIOUS

SEEANDO RED ROME NO. 262

YELLOW DELICIOUS

**Varieties available on E.M. IX interstock (see apple section for descriptions)**

BLACKJON

LODI

REDSBUR DELICIOUS

RED GRAVENSTEIN

ROYAL RED DELICIOUS

YELLOW DELICIOUS

See Page 16 and 17 for large selection Semi-Dwarf Apple Trees

## PRICES on DWARF FRUIT TREES

1 YEAR TOP, 2 YEAR ROOT . . . . . \$2.50 EACH

10 OR MORE . . . . . \$2.25 EACH

**COMMERCIAL FRUIT GROWERS, ask for special Commercial Prices on Dwarf and Semi-Dwarf Apple Trees in lots of 25, 50, 300, 1000 or more.**



DWARF BARTLETT PEAR

## FRESH HOME-GROWN FRUITS ALMOST THE YEAR 'ROUND

Well chosen, properly placed fruit trees enhance the garden landscape as effectively as do the strictly ornamental kinds. And they give **triple service** in home plantings . . . they are beautiful in flower . . . their foliage is attractive and has shade value . . . they have that additional **plus value** fine, luscious, fresh fruit which tastes even better from your own garden.

## CARE IN PLANTING DWARF FRUIT TREES

Peach, Apricot, Plum, Prune, Pear and Dwarf Apple on E.M. rootstock—set the trees with the point of union between dwarf root and budded variety about 3 inches above ground (eliminating the chance of the variety rooting on the standard variety). Dwarf Apple grown with an E.M. section, we recommend planting deep enough so that some of the dwarf section is in the ground and eventually will take root (although that is not necessary to obtain the dwarfing effect).

**PROPER PRUNING** is beneficial and will aid in setting of fruit. Summer pruning has proven to result in tree setting more fruit spurs than dormant winter pruning. Dormant pruning stimulates wood growth but not especially fruiting spur wood. Summer pruning—example—when new top limb growth has reached 24-30" cut back the terminal growth 3". This will cause excessive wood growth to stop for a period of 3-4 weeks and energy of tree will be directed to smaller limbs which are the fruiting limbs of your tree, resulting in development of blooming wood for the following year. Summer pruning should be done less as tree develops larger and fruit takes place. You will have some thinning of inside limbs to do. Leave sufficient number of spaced short knobby appearing limbs as these are your fruiting wood. After a period of 3-4 years, you will be harvesting fruit over the entire tree and more thinning of inside and cross limbs should be done.



# Dwarf Apple Trees

## PRICES on SEMI-DWARF APPLE TREES

1 YEAR TOP, 2 YEAR ROOT.....\$2.50 EACH

10 OR MORE.....\$2.25 EACH

**COMMERCIAL FRUIT GROWERS**, ask for special Commercial Prices on Dwarf and Semi-Dwarf Apple Trees in lots of 25, 50, 300, 1000 or more.

Within the past few years Dwarf and Semi-Dwarf Apple trees have been receiving greater attention by commercial apple growers. Easier pruning, spraying and harvesting **plus** earlier bearing may hasten a trend toward smaller trees in the orchard.

Of course, many questions arise as to what is the best rootstock . . . how far apart to plant . . . how to prune, etc.? A good many answers we don't know; however, by growers trying the various rootstocks or intermediate stocks, different methods of planting, pruning, etc., then coordinating this information through our Dwarf Fruit organizations which have been established in the East and West, should eventually give us the answers. Both the Agricultural Experiment Station at Geneva, New York, and the Agricultural Experiment Station at Corvallis, Oregon, have done extensive work with dwarf stocks for commercial planting. We recommend interested growers sending to the Station at Geneva, New York, for Station Bulletin No. 783 "Rootstocks and Methods Used for Dwarfing Fruit Trees" by K. D. Brase and R. D. Way. Some of our information following is taken from this bulletin.

At the present time we do not feel the dwarf type trees are going to replace the standard tree; however, there is a place for them and growers should carefully evaluate their potential value in their future plantings.

**Semi-dwarfing Stocks** generally being recommended for commercial use are E.M. VII and E.M. II. Of these two, E.M. VII causes greater growth restriction, and the rootstock tolerates slowly draining soils. E.M. II appears to be a stock that tolerates dry soils. Both stocks are fully compatible with the cultivated apple varieties and both induce bearing at an early age. Some experimental plantings using E.M. IX dwarfing stock are being made . . . these are planted as hedge rows and supported by wire similar to method used for growing grapes.

**Tree size** is dependent upon several factors, including variety, pruning methods and local growing conditions. Relative size can better be expressed as follows: An apple tree of a given age and variety when growing on E.M. IX rootstock will be not more than one-quarter the size of a standard tree of the same variety and age. Similarly, a variety when growing on E.M. VII rootstock will be approximately half the size of a standard tree and on E.M. II will be close to two-thirds the size of the same age standard tree with which it is compared.

**Planting distances** will vary; however, it is important to allow sufficient room between the rows . . . generally 20 to 30 feet. When using as fillers in a standard planting (which then makes it possible for you to choose the type of tree you want ten or fifteen years hence), a good pattern would be to set an equal number of semi-dwarfs and standard trees at a distance of 20x20 feet or 108 trees per acre (see Diagram No. 1). When the time comes to remove part of the trees, eliminate every other diagonal row which leaves 54 trees per acre at a spacing of 28½ feet square. If the semi-dwarf trees should be eliminated, the standard trees will ultimately crowd in this spacing so that a second removal would be necessary later on . . . with

a final spacing of 40x40 feet. And if every fifth row is planted to a pollinating variety, there will be adequate provisions for pollination regardless of which type of tree is chosen for the final planting.

**Pruning** of semi-dwarf apple trees is not necessary or desirable during the first 4 or 5 years after the initial pruning when planted. Terminal shoot growth is not headed back and only in cases when branches are too close together will it be necessary to thin out dense growth. The important point is to let the tree bear a few crops before much pruning is done. The weight of the fruit will then open up the dense tree top and only after this has taken place will it become necessary to shape the tree by more severe pruning. Neither E.M. VII or E.M. II require very severe pruning, but after reaching the age of 8 to 10 years it becomes necessary to keep the tree more or less to the size which it attained during this period. This is accomplished by heading back the branches into fruit bearing wood.

DIAGRAM NO. 1

S—semi-dwarf; C—conventional; P—pollenizer

C	S	C	S	P	S	C	S	C	P
S	C	S	C	P	C	S	C	S	P
C	S	C	S	P	S	C	S	C	P
S	C	S	C	P	C	S	C	S	P
C	S	C	S	P	S	C	S	C	P
S	C	S	C	P	C	S	C	S	P
C	S	C	S	P	S	C	S	C	P
S	C	S	C	P	C	S	C	S	P



# for Commercial Orchards

**Varieties available on E.M. II rootstock (see apple section for descriptions):**

REDSPUR DELICIOUS	ROYAL RED DELICIOUS
YELLOW DELICIOUS	YELLOW NEWTOWN

**Varieties available on E.M. VII rootstock (see apple section for descriptions):**

BLACKJON	YELLOW NEWTOWN
LODI	NERO RED ROME
REDSPUR DELICIOUS	GRAVENSTEIN
ROYAL RED DELICIOUS	RED GRAVENSTEIN
SEEANDO RED ROME NO. 262	YELLOW DELICIOUS
IMPROVED SEEANDO WINESAP	

**Varieties available on E.M. IX rootstock (see apple section for descriptions):**

BLACKJON	GRAVENSTEIN
LODI	RED GRAVENSTEIN
IMPROVED SEEANDO WINESAP	ROYAL RED DELICIOUS
SEEANDO RED ROME NO. 262	YELLOW DELICIOUS

## Dwarfing Effects Obtained by Means Other than the Rootstock

Because of certain problems with Clonal rootstocks, other possible methods of obtaining dwarfing effect are being tried. One method is use of a section of Malling stock interposed between a standard rootstock and the scion variety. Resulting shoot growth of the scion variety is dominated by the stem piece of the dwarfing stock; however, the dwarfing effect of the interstock tree is less pronounced than it is when the dwarfing stocks are used as root systems.

There is some difference of opinion whether an interstock type tree should be planted with the Malling section entirely above ground level or whether it is desirable to have part of the section below ground level. Although it is not necessary to have part below ground level to obtain the dwarfing effect, we feel doing so has possible advantages. We recommend planting deep enough so that some of the dwarf section is in the ground and eventually will take root.

**Varieties available on E.M. II/interstock (see apple section for descriptions):**

ROYAL RED DELICIOUS	YELLOW DELICIOUS
---------------------	------------------

**Varieties available on E.M. VII/interstock (see apple section for descriptions):**

BLACKJON	IMPROVED SEEANDO WINESAP
NERO RED ROME	ROYAL RED DELICIOUS
YELLOW DELICIOUS	

**Varieties available on E.M. IX interstock (see apple section for descriptions):**

BLACKJON	LODI
REDSPUR DELICIOUS	RED GRAVENSTEIN
ROYAL RED DELICIOUS	YELLOW DELICIOUS

Please refer to page 31 for General Information . . . How to Order, Shipping Season, Planting Instructions, Etc.

## DWARF TREE PLOTS Oregon State College Experiment Station, Corvallis



Photo above showing block of 12-year-old Yellow Delicious on E.M. VII rootstock. Photo below close up of same tree.



Photo above showing block of Red Delicious on E.M. IX rootstock. Photo below block of Yellow Delicious on E.M. IX rootstock. Hedge row planting using 2x2 grape stakes.





MALAGA

## RASPBERRIES

No. 1 Plants

Each 50c, 10 for \$4.00, 50 or more 30c each

**WASHINGTON.** A long redcap berry with the sweetness and size of the Cuthbert but more resistant to winter freezing and fully immune to attack by the Western Yellow Rust disease. A heavy yielder and does well on both sandy and heavy soil.

**SEPTEMBER.** Bright red berries, firm, non-crumbling and of fine, rich flavor are borne heavily on the old canes in early summer. Then in a few weeks the new canes start a new crop, bearing continuously until frost. Fine for eating fresh, freezing, jams and jelly. Hardy, healthy plants.

**CUMBERLAND BLACKCAP.** Fruit grows in large clusters, firm and maintaining a good size even under adverse conditions. Canes are thrifty, vigorous and healthy. One of the best black caps. Prices same as Raspberries, above.

## BOYSENBERRY, NECTARBERRY, BLACKBERRY

No. 1 Plants: Each 60c, 10 for \$4.50, 50 or more 35c each

**THORNLESS BOYSENBERRY.** A cross of the Youngberry and Blackberry, having a much larger berry with more of the Blackberry flavor. The thornless variety appears to be equally as hardy as the regular Boysenberry . . . preferred by home gardeners.

**NECTARBERRY.** As large as Boysenberry, possessing the tang of Youngberry but less acid and when ripe the dark wine colored, almost black, berries can't be beat. Almost seedless.

**MERCEREAU BLACKBERRY.** Hardy, upright canes producing heavy crops of large, juicy, sweet berries. Fine for canning, for jams and jelly.

**CASCADE BLACKBERRY.** The finest wild blackberry type we have tried. Fruit two or three times the size of the wild blackberry, firmer, more productive and unaffected by blight. Vines very hardy, vigorous, trailing and more healthy.

# Fruit and Berries from

(Spring Delivery only)

## GRAPES

(Listed in Approximate Order of Ripening)  
2-year, No. 1 Plants, Each 75c, 10 for \$6.50  
50 or More 55c Each

### AMERICAN VARIETIES (Hardy)

**FREDONIA.** One of the best early black grapes. Berries are large and round, flesh is juicy, solid but tender. Vine is vigorous, disease resistant. Do not prune too severely.

**CAMPBELL'S EARLY.** Ripens about 10 days earlier than Concord, keeps well, has large clusters, and the black berries are sweet and juicy. One of the leading grapes in Western Washington. Also grown under the name of **Island Belle**.

**NIAGARA.** The number one white grape, often called White Concord. Clusters medium to large, berries about the size of Concord, foxy sweet, skin thin and tender. Vine vigorous and prolific, does well in Western Washington.

**CACO.** Fruit sweet, rich wine red, large and in compact clusters. Vine very vigorous, upright, healthy and prolific. A few days earlier than Concord and will ripen well in most Western Washington areas.

**CONCORD.** Still the leading grape in the West. Fruit medium to large, dark purple, globular, skin moderately tough, juicy and sweet. Fine, strong and healthy, standing many hardships. The best grape for jelly, juice and jams.

**GOLDEN MUSCAT.** Was named for its color and muscat flavor. Clusters very large, tapering and compact. Berries large, oval, juicy, tender, sweet, vinous and aromatic. Vine vigorous and productive. Requires season about 10 days longer than that of Concord to mature.

### EUROPEAN VARIETIES (Medium Hardy)

**PEARL OF CSABA.** A hardy Northern European white grape which has withstood the coldest winters of Eastern Washington. One of the earliest ripening grapes. Berries of medium size; clusters are large, long and well filled. Vine vigorous, highly productive and comes into bearing early.

**BLACK MONUKKA.** A black seedless table grape of medium size, elongated, tender skin, excellent crisp sweet flavor.

**MALAGA.** Berry of good size, white, oval, with moderately tough skin. Borne in loose, large clusters. Vine strong grower and very productive. A good table grape.

**RIBIER.** Intense blue-black color giving appearance of being molded in wax. Large berries on well filled clusters. Firm, juicy and sweet. Good keeping quality.

**THOMPSON SEEDLESS.** Large clusters of medium sized, white, sweet berries. World's leading raisin variety.

**FLAME TOKAY.** Large, red oblong berries, firm flesh . . . crisp, juicy and sweet. Heavy producer and a good shipper. A beautiful grape for table use.

### RED RICH®



# Your Garden Taste Better

(Spring Delivery only)

## STRAWBERRIES

(No order accepted for less than 25 of a variety)

**NORTHWEST** (Standard). A newer introduction which has fast become the leading commercial variety grown in the Northwest. Large, beautiful deep red clear through, sweet. Excellent canner and freezer. Bears very heavy.

Per 25 \$1.50; per 50 \$2.50; per 100 \$4.00; per 1000 \$30.00

**20th CENTURY** (Everbearing). Extra large fruit, very firm and excellent flavor. Bears crop first year planted, heavy producer. Under favorable conditions, the plant makes a vigorous growth, hardy and does well under widely varied conditions.

Per 25 \$2.50; per 50 \$4.25; per 100 \$8.00; per 1000 \$55.00

**RED RICH®**. The huge, deep red, honey-sweet berries make this about the best strawberry available today. The plants are big and husky with a tendency to keep the berries off the ground. **And Red Rich is really an Everbearer.** Planted in early spring, it will bear from June or early July all through the summer and into the fall. Because of the tremendous yields, fewer plants are needed. Ideal for freezing—best of all, it won't mush up when thawed.

Per 25 \$5.00; per 50 \$8.50; per 100 \$15.00; per 500 \$62.50

## PYRAMID STRAWBERRY GARDEN

With New, Built-in Sprinkler

Price: \$9.50



In one-third the space of the conventional garden method, you can enjoy an abundant season of strawberry production right in your own back yard with a Pyramidal Garden. Easy to pick from, easy to care for, the attractive Pyramid Garden adds beauty and real practical value to any garden or landscape. Bottom ring is 6 feet in diameter. Merely place first band on ground, fill with rich soil. Repeat simple operation for remaining rings. The simple modern way of growing strawberries. Garden Pyramid will accommodate 50 to 75 plants, depending on how you wish to space them. Will not rust nor warp.

## GOOSEBERRIES and CURRANTS

(Sold only in State of Washington)

No. 1 Plants: Each 60c, 10 for \$4.50, 50 or more 35c each

**OREGON CHAMPION GOOSEBERRY.** One of the largest, best commercial varieties, mildew resistant. A favorite for pies and preserves.

**PERFECTION CURRANT.** Clusters of beautiful red berries, one of the largest and finest grown. Plants vigorous and prolific. Highly esteemed for jellies.

## ASPARAGUS, RHUBARB, HORSE RADISH

**MARY WASHINGTON ASPARAGUS.** One of the best. It starts early and produces a heavy crop of very large, tender Asparagus. \$1.00 Dozen, \$2.50 per 50, \$4.00 per 100

**CANADA RED RHUBARB.** A fine red type originated in Canada. Plants are healthy, strong growers, producing long deep red to pink ribs of very fine flavor.

Each 50c, \$5.00 per 12, \$15.00 per 50

**HORSE RADISH** (crowns). Will thrive well on any soil that produces crops of any kind. Plants are vigorous.

\$2.00 Dozen, \$7.00 per 50



ROYAL FILBERT

## Nut Trees

It is generally recommended two varieties should be planted together in the right combination to secure most successful pollination. Varieties listed normally cross-pollinize.

### ALMONDS

3 to 4 foot: \$1.55 each

10 Lots \$1.35 each

4 to 5 foot: \$1.70 each

10 Lots \$1.50 each

**DAVEY.** Light-colored, smooth, thin, well-sealed shells, and kernels that are medium-sized, smooth, good texture and flavor. Blooms and intercompatible with Nonpareil. Nuts mature early.

**NONPAREIL.** Nut medium size, soft shell. Kernel is long, plump, sweet and of high quality. Tree a good cropper and strong grower.

### FILBERTS

3 to 4 foot: \$1.70 each

10 Lots \$1.50 each

4 to 5 foot: \$1.95 each

10 Lots \$1.70 each

**BARCELONA.** Large round nut that drops freely from its husk. Makes a large tree and bears early. Cross pollination essential.

**DUCHILLY.** Very large, long nut of superior quality. Tree not so large as Barcelona but more upright, good bearer. Pollenizer.

**ROYAL.** Large, glossy, well-filled soft-shell nuts of high quality. Heavy producer, requires cross pollination. Of recent introduction. Price 50c per tree additional over above prices.

### ENGLISH and BLACK WALNUTS

3 to 4 foot, Grafted on Black Walnut . . . \$3.00 each

4 to 6 foot, Grafted on Black Walnut . . . \$3.50 each

6 to 8 foot, Grafted on Black Walnut . . . \$3.95 each

**FRANQUETTE, English.** Vigorous grower, late bloomer escaping late frosts. Regular and abundant bearer. Nuts do not sunburn and are large, uniform size, well-filled shell, easily cracked.

**SEANDO** (T.M. Reg.), **English.** Local walnut developed from an old hardy tree. Large, well-shaped nuts, thin-shelled, plump kernels of good quality. An exclusive "C & O" introduction. Price 50c per tree additional over above prices.

**THOMAS, Black Walnut.** One of the finest black walnuts introduced. Nuts large, kernels large and come out in halves similar to English Walnuts, very good quality. Hardy.

# C & O Parade of Finest

**Large Thrifty 2-Year-Old**

All of the following varieties which we offer

**PINK PEACE**

**CHARLES MALLERIN.** Rich, velvety crimson, fragrant, beautiful buds, large bloom. **Each \$2.50, 3 for \$6.60**

 **CHARLOTTE ARMSTRONG.** Long, slender carmine bud, brilliant cerise blooms. **Each \$2.25, 3 for \$6.00**

 **CHRYSLER IMPERIAL.** Brilliant flashing red with big blooms of 40 to 50 petals. **Each \$2.50, 3 for \$6.60**

**FIRST LOVE.** Dainty rose-pink, shading to dawn pink. Buds slender and urn shaped. **Each \$2.25, 3 for \$6.00**

 **GARDEN PARTY — 1960 All-America Winner.** Large, double blooms of satiny-white tinged and stained pink. Luxurious foliage, vigorous plants. **Each \$3.50, 3 for \$9.30**

**GOLDEN MASTERPIECE.** Long, golden yellow buds open to huge brilliant yellow blooms. **Each \$2.75, 3 for \$7.20**


 **HELEN TRAUBEL.** Long, tapering bud sparkling pink to luminous apricot, mild fragrance. **Each \$2.75, 3 for \$7.20**

**KORDES PERFECTA.** Pink, or rose-red, and cream in a delightful blend of colors. Blooms are big and well formed, with high centers. **Each \$3.50, 3 for \$9.30**


**LADY ELGIN.** Rich, elegant apricot and orange combination. Handsome, huge buds and blooms that keep their color to the end. **Each \$2.50, 3 for \$6.60**

**LOVE SONG.** Watermelon-pink with vivid yellow reverse. Blooms large and free blooming. **Each \$2.50, 3 for \$6.60**

**MIDNIGHT.** Intriguing blackish-ma-roon-red, excellent bud and flower on long cutting stems. **Each \$2.75, 3 for \$7.20**

 **MOJAVE.** Glowing radiant orange-scarlet and vermilion tones. Free blooming, sturdy and vigorous. Strong upright plant. **Each \$2.75, 3 for \$7.20**


**NEW YORKER.** The best red rose of all time—huge non-fading clear red bloom, excellent form. **Each \$2.50, 3 for \$6.60**

 **PEACE.** Magnificent in its golden, pink-edged, superbly large blooms. Vigorous grower. **Each \$2.50, 3 for \$6.60**

**PINK PEACE.** A dusty kind of pink with a remarkable hairline edging of lighter color delineating each of the 60 or 65 large petals. Plant vigorous and disease-resistant. Fragrant. **Each \$3.00, 3 for \$7.95**

**PRESIDENT EISENHOWER.** Large, rich, unfading, true red with bright overtones. Fragrant. **Each \$2.25, 3 for \$6.00**

 **SUTTER'S GOLD.** Each bloom a golden beauty touched with flushes of pink, copper or red. **Each \$2.25, 3 for \$6.00**

 **TIFFANY.** Radiant pink with gold at base of the petals. Exquisite form, nice fragrance. **Each \$2.50, 3 for \$6.60**

 **WHITE KNIGHT.** 1958 All-America Winner. Buds long and pointed. Buds of pure satiny white which retain this purity of color through the life of the bloom. **Each \$3.00, 3 for \$7.95**

**LADY ELGIN**

**FIRST LOVE**



This Symbol denotes  
ALL-AMERICA  
Rose Winners, chosen for  
top performance in all  
parts of the U.S.

## C & O ALL-TIME FAVORITE

### ROSE GARDEN COLLECTION

CRIMSON GLORY, deep red  
PRESIDENT HOOVER, cerise and gold  
COUNTESS VANDAL, copper-pink-gold  
ECLIPSE, bright yellow  
MCGREDY'S IVORY, exhibition white  
CHRISTOPHER STONE, unfading scarlet  
PICTURE, unfading pink

2 YEAR, No. 1  
FIELD-GROWN PLANTS

**SPECIAL**

**\$6<sup>95</sup>**

(Regular Value \$10.50)



# Roses in the West

## Plants Will Bloom This Year

have been issued a U.S. Plant Patent.

### FLORIBUNDAS Easy to Grow!

For masses of color all summer and fall plant them in solid beds, for borders, or in with evergreens and shrubbery.



**CIRCUS.** Changeable colors in the blooms from yellow, orange, buff pink and scarlet. **Each \$2.50, 3 for \$6.60**



**FASHION.** Beautiful coral suffused with gold. One of the finest and most famous. **Each \$2.00, 3 for \$5.25**



**GOLD CUP.** Large, deep yellow, distinguished for vigor, size, form and productivity.

**Each \$2.50, 3 for \$6.60**



**IVORY FASHION.** 1959 All-America Winner. Long, slender buds open slowly to ivory-colored blooms 4 inches across. Long blooming.

**Each \$2.75, 3 for \$7.20**



**MA PERKINS.** Buds of salmon pink open into blooms of sparkling coral-shell-pink.

**Each \$2.00, 3 for \$5.25**

**PINAFORE—Dwarf.** The large clusters of small, single white blooms tinged with pink nearly hide the glossy foliage. Profuse bloomer. **Each \$2.50, 3 for \$6.60**

**PINOCCHIO.** Salmon, flushed with gold, extremely double blooms in large clusters, fragrant. **Each \$1.75, 3 for \$4.65**

**SPARTAN.** Beautiful shaped buds of burnt-orange unfolding to lasting blooms of deep coral-salmon.

**Each \$2.50, 3 for \$6.60**



**VOGUE.** The rich cherry-coral color is very distinctive. Foliage dark green. Fragrant. **Each \$2.00, 3 for \$5.25**



**WHITE BOUQUET.** 1957 All-America Winner. Sparkling white with gardenia-like blooms with a sweet, spicy fragrance. **Each \$2.50, 3 for \$6.60**

### Two New Floribundas

#### 1960 All-America Winners

**FIRE KING.** Large clusters of velvety, fiery-red, double blooms on tall, upright plants. **Each \$2.50**

**SARABANDE.** Large clusters of single 2½" blooms of brilliant red. Low growing, compact. **Each \$2.50**

### GRANDIFLORAS

#### Newest Thing in Roses!

Plants of relatively tall growth, free flowering—often with many flowers in clusters, but with individual stems long enough for cutting.

**MONTEZUMA.** Beautiful slender buds of vivid coral-salmon, opening to blooms of salmon-orange. **Each \$2.75, 3 for \$7.20**



**QUEEN ELIZABETH.** The fragrant, pure pink blossoms come in profusion on long cutting stems, wonderful, lasting qualities. **Each \$2.50, 3 for \$6.60**



**STARFIRE.** 1959 All-America Winner. Distinctive for its luminous, currant red, non-fading color. **Each \$3.50, 3 for \$9.30**

### CLIMBING and PILLAR ROSES

**IMPROVED BLAZE** (Repeat Blooming). One of the most popular red Climbers in America. It produces masses of bright, double blooms. Bush very hardy and vigorous. **Each \$1.75, 3 for \$4.65**

**CORAL DAWN** (Everblooming). The coral-pink flowers give enormous masses of lovely color. The plant has lustrous foliage and excellent vigor. **Each \$2.50, 3 for \$6.60**

**GLADIATOR** (Everblooming). A light red rose. Blooms large, double and fragrant. A fine, vigorous grower. **Each \$2.75, 3 for \$7.20**



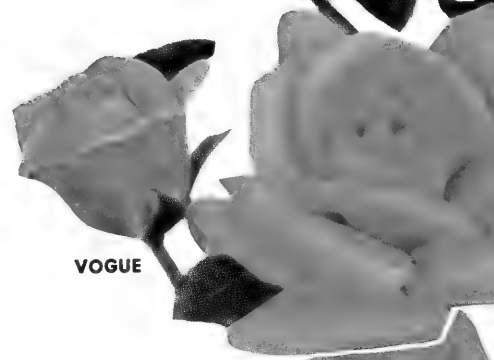
**GOLDEN SHOWERS** (Everblooming). 1957 All-America Winner. Exquisitely shaped buds of daffodil-yellow, opening to large blooms of golden yellow. **Each \$2.75, 3 for \$7.20**

**PEACE.** The famous Peace rose as a climber. Flowers get more numerous the older the plant gets, so don't prune away the older wood. **Each \$2.25, 3 for \$6.00**

CIRCUS



VOGUE



SPARTAN



GLADIATOR



# DECIDUOUS Flowering Shrubs

Select them for beautiful flowers, colorful foliage, and berries . . . For those who are looking for garden plants that will require least care, we suggest using more of the outstanding flowering shrubs from our selections. We offer here a select list of ornamental shrubs that includes the best of those whose worth has been proven. No other single group of plants can take their place. They give wonderful variety of form, habit, color and size such as must be used in order to create the polished, finished look we all want in our gardens. It is almost impossible to make a house look and feel like a real, lived-in home without well-placed shrubs. They smooth out the foundation, accentuate the architectural beauties of the structure, soften or hide the harsh lines, give background to the lawn and flowers. And, each kind in its season, they are notable for their masses of colorful bloom.

FLOWERING ALMOND



WEIGELA

**ALMOND, Double Pink.** Small shrub, bearing an abundance of double, rose-pink flowers on closely set branches before leaves appear in early spring. **Each \$1.75, 3 for \$4.50**

**ALTHEA (Rose of Sharon).** Large, upright shrub with dark glossy-green foliage. Blooms from early summer to late fall. Flowers are large, very double and available in brilliant **RED** or **PINK**. Excellent specimen shrub. **Each \$1.75, 3 for \$4.50**

**BARBERRY**—See variety listings under Hedge Plants, page 23.

**BEAUTY BUSH.** Long arching branches covered in the spring with clusters of small, pink flowers borne in such profusion that the shrub is one cloud of delicate pink. **Each \$1.50, 3 for \$4.05**

**BUTTERFLY BUSH (Buddleia).** Upright, strong growing shrub with long spikes of colorful bloom from early summer continuous to frost. Usually desirable to cut this shrub back severely in the winter. Available in **ROSE-PINK** or **WINE RED**. **Each \$1.75; 3 for \$4.50**

**DEUTZIA GRACILLIS.** A dwarf shrub with pure white flowers in May. Profuse bloomer. **Each \$1.50, 3 for \$4.05**

**DEUTZIA PRIDE OF ROCHESTER.** A fine tall growing shrub, large double flowers tinged rose. In June its long, pendulous sprays are a lovely sight. **Each \$1.75, 3 for \$4.50**

**FORSYTHIA LYNWOOD GOLD (Plant Pat.).** Lights up the entire yard in the early spring with its masses of large, deep yellow flowers. Upright growth. Easy to grow. **Each \$2.00, 3 for \$5.25**

**HONEYSUCKLE TARTARIAN.** Makes a magnificent tall, bushy plant. Bright flowers followed with loads of red berries. Thrives in sun. Available in **PINK** or **RED** flowers. **Each \$1.50, 3 for \$4.05**

**HYDRANGEA, ARBORESCENS (Hills of Snow).** From June to August covered with large flowerheads of pure white. Makes a rounded compact bush 3 to 4 feet tall. For shady places. **Each \$1.50, 3 for \$4.05**

**HYDRANGEA P.G.** The tip of every branch in July develops large, cone-shaped flowers, blooming from mid-summer to frost. White at first, turning pink and bronze in fall. Flowers are borne on new wood. 4 to 6 ft. at maturity. **Each \$1.50, 3 for \$4.05**

**HYPERICUM SUNGOLD (Plant. Pat.).** Low growing shrub covered with large golden flowers all summer. . . . **Each \$1.75, 3 for \$4.50**

**MOCK ORANGE, MINNESOTA SNOWFLAKE (Plant Pat.).** This improved variety is very showy with its large, double, pure-white, fragrant blooms. Upright bush, tall growing. **Each \$2.00, 3 for \$5.25**

**POTENTILLA GOLD DROP.** Low-growing shrub with small fern-like, vivid green foliage. A profusion of bright, buttercup yellow flowers from June 'til frost. Prefers full sun. **Each \$1.75, 3 for \$4.50**

**BUDDER FRENCH LILACS.** These lovely fragrant French Lilacs are unquestionably among the finest and most beautiful of flowering shrubs. Hardy. Following varieties: **Each \$2.50, 3 for \$6.75**

**Charles Joly.** Double, purple-red, rather large blooms held erect well above the foliage. One of the very best.

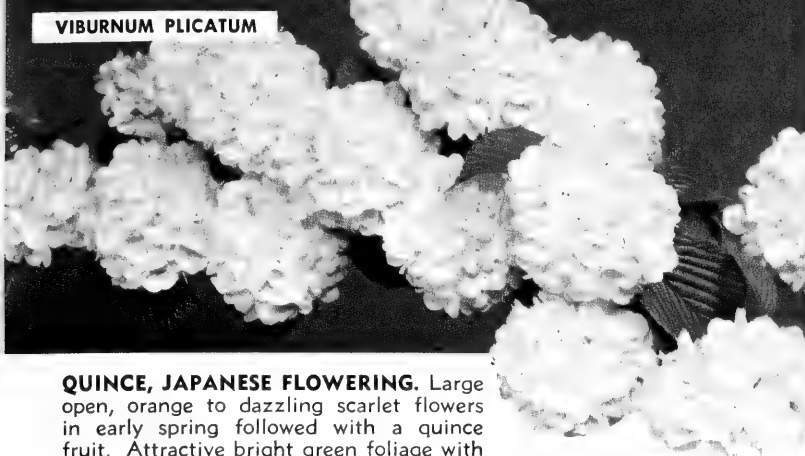
**Belle De Nancy.** Double, delicate-pink, large blooms. Our choice for an excellent pink lilac.

**Ludwig Spaeth.** Single, deep maroon-red. Although one of the oldest of the improved lilacs, still one of the very best.

**Miss Ellen Willmott.** Double, pure white, large blooms. We consider this variety one of the best white lilacs.



FORSYTHIA



**QUINCE, JAPANESE FLOWERING.** Large open, orange to dazzling scarlet flowers in early spring followed with a quince fruit. Attractive bright green foliage with spreading spiny branches. A large shrub but stands pruning well.

Each \$1.50, 3 for \$4.05

**SMOKE BUSH, ROYAL PURPLE.** 8 to 10 ft. This new, rare tree we imported from Holland. The rich purple foliage with huge masses of feathery purple flowers produces an effect unequaled by any other shrub. The most striking shrub we have ever seen.

2-3 ft. \$3.50 ea., 3-4 ft. \$4.25 ea.

**SPIREA.** One of the most popular family of shrubs, including a variety of growth habits, flower colors and uses. Following varieties:  
**Anthony Waterer.** Dwarf shrub with flat heads of rosy-red bloom at intervals through the summer. Fine for a low hedge, for foundation planting, etc.

Each \$1.50, 3 for \$4.05, 10 for \$11.00

**Blue Mist (Caryopteris).** From August to frost every branch and twig has many clusters of small, fringed powder-blue flowers giving a misty appearance. Low growing.

Each \$1.60, 3 for \$4.20

**Freibeli.** Similar to Anthony Waterer, taller growing with the bloom in May and June.

Each \$1.50, 3 for \$4.05, 10 for \$11.00

**Prunifolia.** The true Bridalwreath. In May the long, sweeping branches are literally covered their entire length with small, double white rosette flowers.

Each \$1.50, 3 for \$4.05

**Van Houttei.** Probably the most widely planted shrub in U.S. Strong, upright grower with long, slender branches that droop gracefully with their weight of flowers which appear in the spring in great clusters, forming attractive white plumes. Used for hedges, specimens, etc.

Each \$1.50, 3 for \$4.05, 10 for \$11.00

**TAMARIX HISPIDA.** Very tall growing shrub, erect with feathery bluish-green foliage, tipped with billowy masses of pink flower spikes from May until autumn.

Each \$1.75, 3 for \$4.50

**VIBURNUM PLICATUM (Japanese Snowball).** In June it produces abundance of white balls of bloom. Clean, deep green foliage. Upright, vigorous grower. Ornamental.

Each \$1.75; 3 for \$4.50

**WEIGELA BRISTOL RUBY (Plant. Pat.).** Sparkling ruby red, trumpet-shaped flowers in great profusion appear in June and followed with a generous scattering of bloom throughout the season. Makes a beautiful informal hedge or screen, also specimen plants. About 5-7 feet. Stands pruning well.

Each \$2.00, 3 for \$5.25, 10 for \$15.00

**WEIGELA PURPUREA.** This dwarf growing shrub adds interest to every garden. Its purple foliage and reddish-purple, trumpet-shaped flowers bloom intermittently all summer.

Each \$1.75; 3 for \$4.50

**WEIGELA ROSEA.** Delicate pink, trumpet-shaped flowers cover the arching branches in June. Tall growing.

Each \$1.75, 3 for \$4.50

## VINES and CREEPERS

Our Vines and Creepers are all two or more years of age. No. 1 Grade.

**HONEYSUCKLE, Hall's Japan.** Small trumpet shaped flowers of white which gradually change to light yellow. Covered with powerful, sweet, fragrant flowers during May and June. Vigorous grower, hardy.

Each \$1.25

**HONEYSUCKLE, Gold Flame.** The large, flame-coral trumpets lined with gold, fragrant after nightfall, appear in immense showy clusters from May until frost. Rich, dark green foliage. Hardy.

Each \$1.50

**IVY, Boston.** Clings to brick or wood, forms a dense, mat-like foliage, spreads rapidly. Loses its leaves in winter, permitting any dampness to dry out. Often used to cover unsightly objects.

Each \$1.25

**IVY, Englemann.** Creeper. Very hardy, fast growing. Leaves are beautiful in summer, turning a brick crimson in autumn. Many uses.

Each \$1.25

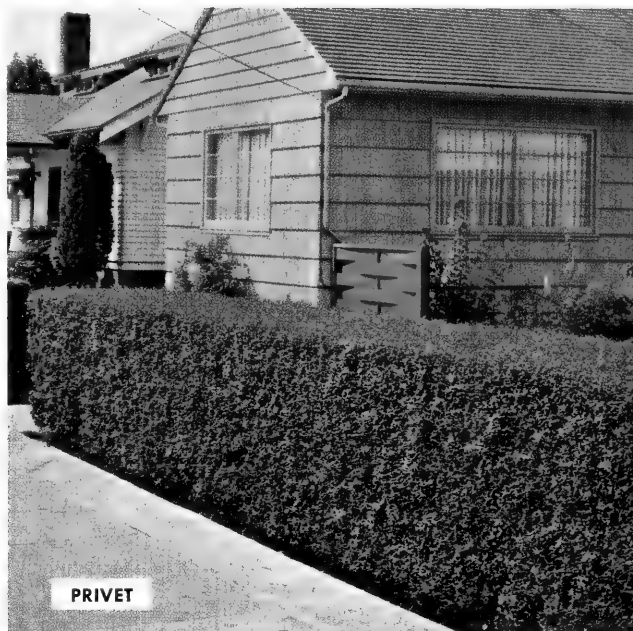
**WISTERIA (Sinensis).** Well known in all parts of the country for the long hanging clusters of pea shaped flowers. The immense purple flower racemes produce a very striking effect. Hardy.

Each \$1.50

# HEDGES • VINES

VINES are without a doubt the finest kinds of plants for space-saving in the garden, and for covering walls, fences, trellises, garages, etc. Many of them give needed height, interest and beautiful flower in all kinds of places where it would be impossible to have always wide-growing trees or shrubs.

HEDGE plants can include many other shrubs not listed below. Wherever space permits, and where it is therefore not necessary to do severe, frequent trimming to keep the hedge within bounds, we have any number of flowering shrubs which not only have attractive natural form but which also will make striking displays when in bloom. In addition to deciduous shrubs, several Evergreen types make excellent hedges or screens . . . we refer you to pages 27, 28 and 29 for complete list.



## HEDGES

**BARBERRY Crimson Pigmy.** A miniature form of Redleaf. Bronzy, blood-red foliage throughout the season. Does best in full sun.

Each \$1.50, 3 for \$4.05, 10 for \$11.00

**BARBERRY Thunbergi.** Bright attractive green foliage, bright red berries throughout winter. Grows 3 to 4 feet high.

	Each	10	25	50
18 to 24 in. . . . .	\$1.25	\$11.00	\$18.75	\$30.00
15 to 18 in. . . . .	1.10	9.00	15.00	25.00

**BARBERRY Red Leaved.** Graceful shrub 3 to 4 ft. with bronzy, blood-red foliage the entire season. Scarlet berries all winter. Does best in full sun. Also ideal for specimens.

	Each	10	25	50
18 to 24 in. . . . .	\$1.25	\$11.00	\$18.75	\$30.00
15 to 18 in. . . . .	1.10	9.00	15.00	25.00

**PRIVET, English.** Smooth, dark green glossy foliage. Can be trained high or lower. Plant 16-20" apart.

	Each	10	25	50
3 to 4 ft. . . . .	\$1.00	\$7.50	\$12.50	\$22.50
2 to 3 ft. . . . .	.90	6.00	10.00	17.50

**PRIVET, Lodense.** Low growing variety. Can be maintained 15 inches or taller. Plant 12 inches on center.

	Each	10	25	50
15 to 18 in. . . . .	\$1.10	\$9.00	\$15.00	\$25.00
12 to 15 in. . . . .	1.00	7.50	12.50	22.50

We have many fine garden plants in stock that are not listed in this catalog. We invite you to visit our modern garden center for all your gardening needs.

# TREES

**PAUL'S  
SCARLET  
HAWTHORN**



Selecting the right tree is an important decision. Trees planted for shade represent an investment in time as most trees take years to reach maturity. Flowering trees should blend in with the color scheme of your home as well as your garden.

Note — Figures following variety name indicate approximate height of trees at maturity.

**ASH, GREEN.** 50 ft. A native hardwood, forms shapely round top. Fairly fast grower. Good foliage, clean.

6-8 ft. \$4.00 ea., 8-10 ft. \$5.00 ea.

**BIRCH, EUROPEAN WHITE.** 35 ft. Creamy-white bark in sharp contrast with the dark green foliage. Upright, graceful shape. Desirable for lawn or street planting.

5-6 ft. \$3.00 ea., 6-8 ft. \$4.00 ea., 8-10 ft. \$5.00 ea.

**BIRCH, CUT-LEAF.** 50 ft. Tall and slender, graceful drooping branches with delicately cut foliage. The white bark of trunk and limbs make it a tree of rare beauty summer and winter.

5-6 ft. \$4.00 ea., 6-8 ft. \$5.00 ea. 8-10 ft. \$6.50 ea.

**CATALPA, WESTERN.** 50 ft. In June fragrant, 2½ inch lustrous white, orchid-like flowers hang in open 7-inch clusters. As the flowers fade, odd foot-long "beans" appear. Beautiful large leaves. Fast grower.

6-8 ft. \$3.25 ea., 8-10 ft. \$4.00 ea.

**FLOWERING CHERRY, KWANZAN.** 20 to 25 ft. Large, double, deep rose-pink flowers in early May. A graceful and beautiful tree for lawn or grounds. Very ornamental.

3-4 ft. \$2.50 ea., 4-5 ft. \$3.00 ea.

**FLOWERING CHERRY, JAPANESE WEeping.** 6 to 8 ft. The deep rose-pink, double flowers are borne on graceful, arching branches that reach almost to the ground.

5-6 foot stems, No. 1 \$6.00 ea.

**FLOWERING CRAB, ALMEY.** 15 ft. Large crimson flowers crowd the branches to the tips. Scarlet fruit in the fall which hang on into the winter. Foliage green.

4-5 ft. \$3.00 ea., 5-6 ft. \$4.00 ea.

**FLOWERING CRAB, IMPROVED BECHTEL.** 15 ft. Large, double, pure pink blossoms, blooms very freely. Leaves larger and more oval with more color interest than the Bechtels.

2-3 ft. \$2.00 ea., 3-4 ft. \$2.75 ea.

**GLOBE MAPLE**



**RED  
MAPLE**



**GOLDEN  
RAIN**





# for shade... and flowers

**FLOWERING CRAB, RED VEIN.** 20 ft. Large, purple-rose flowers followed with 2-inch wine-red fruits August to October. Foliage purplish-green. 4-5 ft. \$3.50 ea., 5-6 ft. \$4.00 ea.

**ELM, SIBERIAN (or Chinese).** 40 ft. Very fast growing, drought resistant and thrives under adverse soil, even in alkali. Small leaves. 5-6 ft. \$2.00 ea., 6-8 ft. \$2.50 ea., 8-10 ft. \$3.50 ea.

**GOLDEN RAIN.** 20 to 30 ft. Mid-summer flowers form on upright spikes often 1½ feet in height which last about a month. These are followed by "Chinese Lantern" shaped seed pods which often hang on all winter.  
5-6 ft. \$3.50 ea., 6-8 ft. \$4.50 ea.

**GOLDEN CHAIN.** 20 to 30 ft. Late in the spring long hanging racemes of golden yellow flowers appear, often 18 to 20 inches long. Very ornamental tree. Greenish bark and clover-like leaves.  
5-6 ft. \$3.00 ea., 6-8 ft. \$3.75 ea.

**GINKGO BILOBA (Maidenhair Tree).** 50 ft. The most ancient of tree varieties. Foliage resembles maidenhair fern, bright green, turning yellow in autumn. Slow growing. Beautiful tree.  
4-5 ft. \$5.00 ea., 5-6 ft. \$6.00 ea.

**HAWTHORN, PAULS SCARLET.** 25 ft. Large clusters of scarlet miniature rosette flowers cover the tree in spring with small red fruits fall and winter. 5-6 ft. \$3.00 ea., 6-8 ft. \$4.50 ea.

**LINDEN, AMERICAN (Basswood).** 60 ft. Excellent shade tree, round, compact top, fragrant yellow bloom, deep green foliage. Medium grower.  
6-8 ft. \$3.75 ea., 8-10 ft. \$4.50 ea.

**LOCUST, BLACK.** 60 ft. Valuable as a quick-growing shade tree, drought resistant. Racemes of white, sweet-scented flowers in June.  
5-6 ft. \$2.50 ea., 6-8 ft. \$3.00 ea.

**LOCUST, HONEY (Thornless).** 50 to 60 ft. Lacy, open growth habit. Fast growing, hardy, easy to grow.  
5-6 ft. \$3.00 ea., 6-8 ft. \$4.00 ea.

**LOCUST MORaine, P.P.** 50 to 60 ft. Thornless, seedless, fast growing. Delicate green lacy foliage, graceful and stately.  
6-7 ft. \$6.50 ea.

**LOCUST, PINK FLOWERING.** 40 ft. Similar in habit of growth to Black Locust, bearing racemes of deep pink flowers. Blooms intermittently throughout summer.  
5-6 ft. \$3.25 ea., 6-8 ft. \$3.75 ea.

**LOCUST SUNBURST, P.P.** 30 to 40 ft. Another of the Honey Locust family having bright, golden-yellow branch tips in the spring which makes it look like a flowering tree. Seedless and thornless.  
6-7 ft. \$6.50 ea.

**MAPLE, FAASENS RED.** 60 ft. Handsome tree with brilliant dark crimson, nearly black foliage, all through the season. Introduced from Holland.  
5-6 ft. \$4.00 ea., 6-8 ft. \$6.00 ea.

**MAPLE, GLOBE.** 15 to 20 ft. An exceptionally fine lawn and street tree. Has natural globe head.  
6-7 ft. stems: No. 1 head \$5.00 ea., No. 2 head \$4.00 ea.

**MAPLE, NORWAY.** 60 ft. Beautiful symmetrical rounded head, dense, dark green foliage. One of the best general purpose trees. Medium fast growing and good for a life-time.  
5-6 ft. \$2.75 ea., 6-8 ft. \$3.50 ea., 8-10 ft. \$4.50 ea.

**MAPLE SCHWEDLERI.** 50 ft. Rounded head with striking display of bright red leaves in spring, turning to green in summer.  
5-6 ft. \$3.00 ea., 6-8 ft. \$3.75 ea., 8-10 ft. \$4.75 ea.

**MAPLE, CRIMSON KING.** (Plant Pat.). 50 ft. Like the Schwedleri, it develops a rounded, compact top of unusual symmetry... but, the foliage retains its deep crimson color all season.  
5-6 ft. \$4.00 ea., 6-8 ft. \$6.00 ea.

**MAPLE, SILVER (Soft Maple).** 75 ft. Rapid growing, large, wide-spreading. Roots tend to grow near the surface.  
5-6 ft. \$2.25 ea., 6-8 ft. \$3.00 ea., 8-10 ft. \$4.00 ea.

**MOUNTAIN ASH, EUROPEAN.** 30 ft. Dark green, fern-like foliage, small white flowers in late spring with clusters bright orange-red berries through the fall and winter. Very ornamental.  
5-6 ft. \$3.00 ea., 6-8 ft. \$4.00 ea.

**MULBERRY, RUSSIAN.** 45 ft. Very hardy, rapid growing small tree, rather bushy top. Dense bright green foliage, fruit in abundance which attract all kinds of birds.  
5-6 ft. \$2.50 ea., 6-8 ft. \$3.00 ea., 8-10 ft. \$3.75 ea.

(Continued Next Page)

GREEN ASH



GOLDEN CHAIN



# USE MORE TREES..

*for shade and color*

**FLOWERING TREES FIT THE MODERN LANDSCAPE.** The modern house, low and rambling, is a "natural" for the many medium- and small-statured flowering and fruit trees we offer. Whenever possible, individual specimens of the kinds you like, or clumps of two or three of them, should be planted off the front corners, toward the sides or ends of the house, and out back so they will finish off the landscape appearance as well as to provide colorful foliage, flowers, fruits.

**FLOWERING PEACH, CAMELLIAFLORA.** 15 to 20 ft. Bright double pink flowers. One of the most brilliant, early blooming trees.  
3-4 ft. \$2.25 ea., 4-5 ft. \$2.75 ea.

**FLOWERING PEACH, BURBANK WHITE.** 15 to 20 ft. Large, double, pure glistening white blossoms cover the tree in mid-spring.  
3-4 ft. \$2.25 ea., 4-5 ft. \$2.75 ea.

**FLOWERING PEACH, RED WEEPING.** 8 ft. Artistic drooping branches covered with bright red blossoms in early spring is a sight to behold. Delightful addition to any garden.  
3-4 ft. \$3.00 ea., 4-5 ft. \$3.50 ea.

**FLOWERING PLUM, CISTENA.** 8 to 10 ft. Attractive purple-red foliage which retains its color throughout the season. Rich, soft pink blossoms in the spring.  
3-4 ft. \$2.25 ea., 4-5 ft. \$2.75 ea.

**FLOWERING PLUM, TRILOBA.** 6 to 8 ft. Double, bright pink blossoms completely cover the tree. (Rose Tree of China.)  
2-3 ft. \$2.00 ea., 3-4 ft. \$2.50 ea.

**FLOWERING PLUM, THUNDERCLOUD.** 15 ft. Clouds of light pink bloom in early spring followed by bronzy-purple foliage, holding this color throughout the summer. Very striking.  
3-4 ft. \$2.50 ea., 4-5 ft. \$3.00 ea.

**OAK, PIN.** Very fine street tree, gracefully drooping branches. Deeply lobed, pointed foliage. 5-6 ft. \$3.50 ea., 6-8 ft. \$5.00 ea.

**POPLAR, BOLLEANA.** 50 to 60 ft. Tall, narrow-topped tree. Grayish-green bark, foliage dull green with silvery underneath. Fast grower, will thrive anywhere.  
6-8 ft. \$2.50 ea., 8-10 ft. \$3.50 ea.

**POPLAR, LOMBARDY.** 60 to 80 ft. Tall, spire-like outline makes it very picturesque. Often spread of less than 10 feet. Desirable for windbreaks. (Ask for quantity prices.)  
6-8 ft. \$2.50 ea., 8-10 ft. \$3.00 ea.

**SYCAMORE, AMERICAN (Plane Tree).** 60 ft. One of the fastest growing trees, and we consider one of the best in a large tree. A lofty, wide-spreading top, dense foliage, large leaf.  
6-8 ft. \$4.00 ea., 8-10 ft. \$5.00 ea.

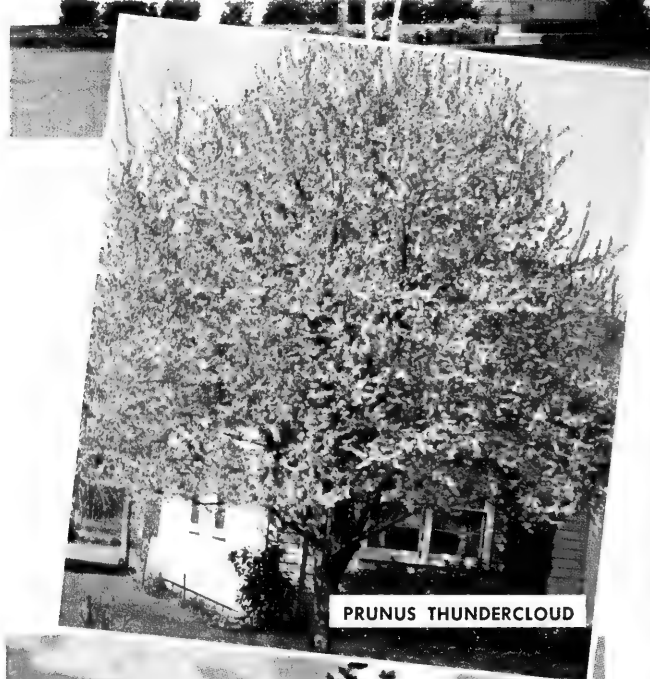
**TULIP TREE.** 60 ft. Handsome pyramidal tree, erect habit, interesting large odd-shaped leaves. Yellowish green tulip-like flowers in spring; about 5 years before blooms develop.  
5-6 ft. \$3.50 ea., 6-7 ft. \$4.25 ea.

**WILLOW, WISCONSIN WEEPING.** 40 ft. Fast growing, green bark and deep green delicate foliage. Graceful, drooping branches.  
5-6 ft. \$2.50 ea., 6-8 ft. \$3.00 ea.

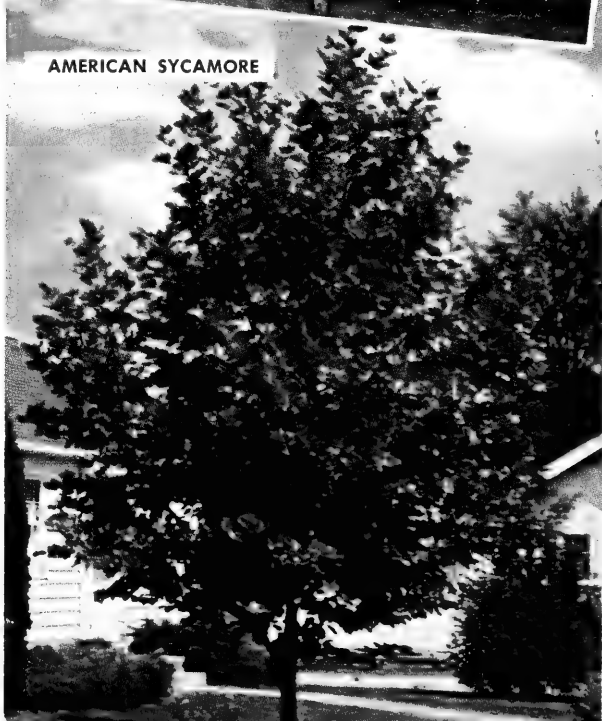
Larger specimen sizes available in some shade tree varieties listed. We invite your inquiry.



WHITE BIRCH



PRUNUS THUNDERCLOUD



AMERICAN SYCAMORE



# C & O Northern Grown Evergreens

C & O Evergreens are well grown, with good root systems and shapely tops. All evergreens are balled in earth and sold f.o.b. Wenatchee, Washington. See back cover.

## ARBORVITAE (Thuja)

Include some of the most beautiful and useful evergreens in cultivation. Can be sheared readily.

**AMERICAN.** Deep green, compact form, spreading at base, tapering to a point. 20-30 ft. at maturity if not sheared.

2 1/2-3 ft. \$4.00 ea., 3-4 ft. \$4.50 ea.

**BERCKMAN'S DWARF GOLDEN.** Upright, pyramidal form. Tips of branches bright golden yellow throughout most of the year. Trim when young to retain dwarf size desired.

12-15 in. \$3.75 ea., 15-18 in. \$5.00 ea.  
18-24 in. \$6.00 ea.

**GLOBE.** A dense dwarf globular form with deep green foliage. Recommended for low hedges or use as specimen plants.

12-15 in. \$3.00 ea.; 15-18 in. \$3.75 ea.  
18-24 in. \$4.50 ea.

**LITTLE GEM.** Compact, slow-growing, very dwarf, globular form, deep green foliage.

12-15 in. \$4.50 ea., 15-18 in. \$5.50 ea.

**PYRAMIDAL.** Most compact and erect of the Arborvitae. Narrow base tapering 15-20 ft. at maturity depending amount shearing. Excellent for formal hedge.

3-4 ft. \$5.50 ea., 4-5 ft. \$7.00 ea.  
5-6 ft. \$8.00 ea.

## CYPRESS

**ELWOODI.** A semi-dwarf, trim, compact, narrow pyramid with soft, feathery bluish-green foliage. Slow growing, hardy. 15-18 in. \$5.00 ea., 18-24 in. \$6.00 ea.

## FIR (Abies)

These develop into large trees. For specimen planting or wind-breaks.

**CONCOLOR.** The white fir. Foliage varies in color from light green to silvery blue. Grows rapidly and symmetrically. Hardy. 3-4 ft. \$7.50 ea., 4-5 ft. \$9.00 ea.

**DOUGLAS.** Handsome, dense pyramidal tree eventually reaching 60 ft. Blue-green foliage. Very hardy. 2-3 ft. \$5.00 ea., 3-4 ft. \$6.00 ea.  
4-5 ft. \$7.00 ea.

## JUNIPERS

A family of hardy evergreens, including trees of various habits of growth from broad, bushy trees and spire-like columnar specimens to low-growing types which creep along the ground.

**ANDORRA.** Seldom reaches more than a foot high but spreading about 6 ft. Gray-green summer color with pinkish winter color. 12-15 in. \$4.00 ea.

(Continued Next Page)



DWARF ALBERTA SPRUCE



MEYER JUNIPER



PFITZER CHINESE JUNIPER

LITTLE GEM ARBORVITAE





# For year 'round

## JUNIPERS — Continued

**EASTERN RED CEDAR.** Graceful, broad pyramid with thick, deep-green foliage sometimes silver tinted with bronze tinge in winter. 20 ft. at maturity. Can be sheared readily. 2-3 ft. \$4.50 ea., 3-4 ft. \$5.50 ea.

**MEYER.** An irregular upright growth, about 5-6 ft. at maturity. Distinct bluish color. Used as an informal specimen.

15-18 in., \$5.00 ea., 18-24 in. \$6.00 ea.

**PFITZER, Compact.** Rich green, feathery foliage. A more dwarf type than the Chinese Pfitzer. Dense growth, compact.

15-18 in. \$5.00 ea.

**PFITZER, Chinese.** Wide spreading, bushy, 4 ft. or so high at maturity. Its soft, feathery, gray-green foliage is beautiful.

15-18 in. \$4.50 ea., 18-24 in. \$5.50 ea.

**PFITZER, Golden.** Similar to Chinese excepting graceful, sweeping fonds of beautiful golden tip foliage. Wide spreading.

15-18 in. \$5.00 ea., 18-24 in. \$6.00 ea.

**SAVIN.** A low, semi-upright, many branched shrub, sometimes growing 4 ft. high. Dense, tufted, dark green foliage.

15-18 in. \$4.50 ea., 18-24 in. \$5.50 ea.

**TAMARIX.** One of the very finest low spreaders, compact with ascending branches. Deep blue-green foliage. 15-18 in. height.

12-15 in. \$4.00 ea., 15-18 in. \$5.00 ea.

**WAUKEGAN.** Trailing form, one of the lowest growing. Steely-blue foliage turns pink during winter. Excellent ground cover.

15-18 in. \$4.00 ea.

## PINE

**DWARF MUGHO.** Forms a low, somewhat globe shape, rich dark green. Fits into many types of plantings.

12-15 in. \$4.50 ea., 15-18 in. \$5.25 ea.

**SCOTCH.** When young it is a stocky, bushy tree which rapidly grows into a large tree of delightful irregular outline.

2½-3 ft. \$4.00 ea., 3-4 ft. \$5.00 ea., 4-5 ft. \$6.50 ea.

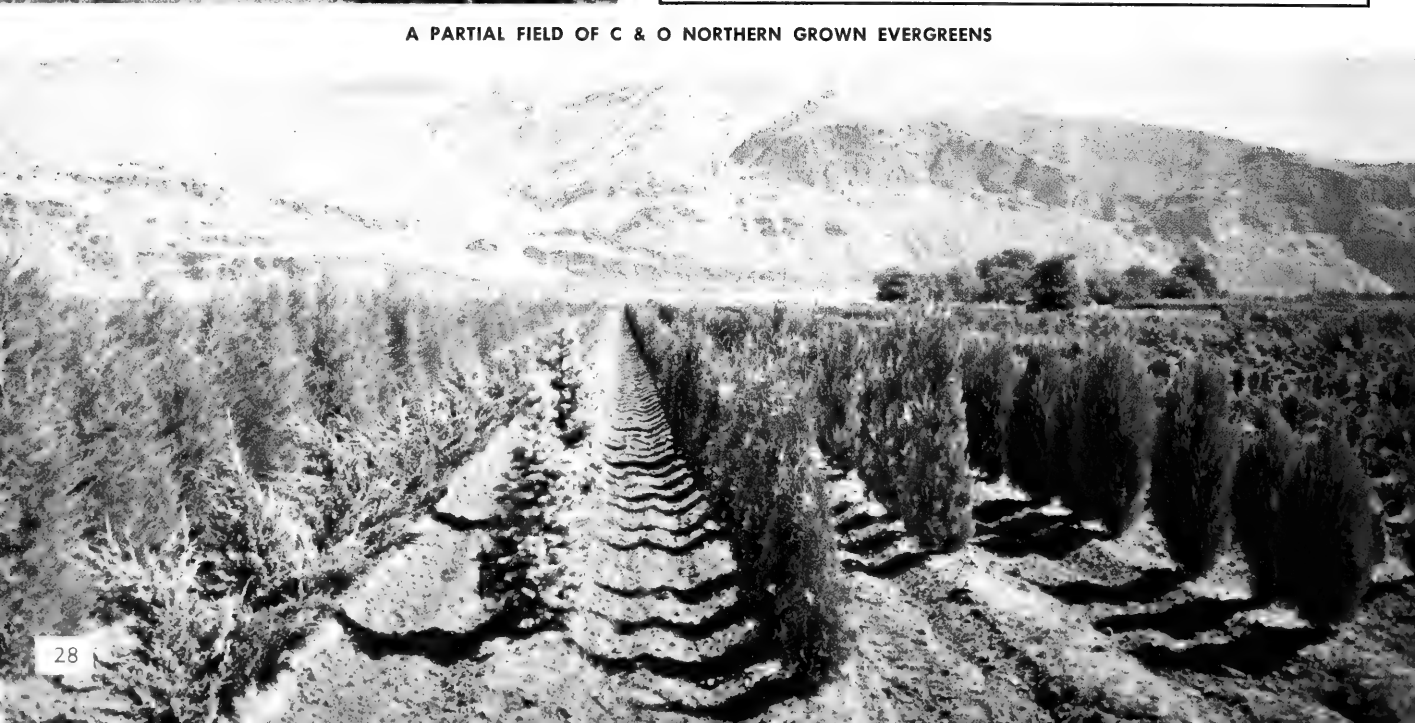
Please refer to page 31 for General Information . . . How to Order, Shipping Season, Planting Instructions, Etc.

A PARTIAL FIELD OF C & O NORTHERN GROWN EVERGREENS



PYRAMIDAL ARBORVITAE

DWARF NEST SPRUCE





# color Plant C&O Evergreens

## RETINOSPORA

Originally introduced from the Orient. We offer only the most hardy and desirable types for good landscaping.

**FILIFERA.** Finely textured, bright green foliage, gracefully drooping branches, semi-dwarf. 15-18 in. \$4.50 ea.

**GOLDEN, Dwarf.** Graceful drooping, golden foliage. Provides just the right amount of contrast when planted with other evergreens. 15-18 in. \$4.50 ea., 18-24 in. \$5.50 ea.

**PLUME.** Dense conical evergreen with lovely green, finely textured foliage in flat feathery plumes. Very beautiful. 24-30 in. \$5.00 ea.

## YEW

These Japanese yews survive quite severe winters, will grow in either sun or shade and withstand smoky city conditions better than most other evergreens.

**SPREADING.** Beautiful waxy, deep green of informal, graceful spreading habit. Branches out from the bottom and can be trimmed. 15-18 in. \$5.00 ea., 18-24 in. \$6.00 ea.

**SEMI-SPREADING.** Somewhat more upright than the Spreading. Foliage relatively free from insects and disease. Prefers partial shade. 18-24 in. \$5.00 ea., 24-30 in. \$6.00 ea.

**UPRIGHT.** A distinct columnar form, growing with more or less flat top, with the upper part wider than the bottom—a vase form. 18-24 in. \$5.50 ea., 24-30 in. \$6.50 ea. 2½-3 ft. \$7.50 ea., 3-4 ft. \$9.50 ea.

## SPRUCE

This always has been a popular family of evergreens. We now offer some of the newer, dwarf forms especially desirable for modern landscapings, as well as the old time favorites.

**ALBERTA, Dwarf.** Compact, pyramidal form, very slow growing—rarely attains 6 ft. in height. Light green, soft needles. 15-18 in. \$6.00 ea., 18-24 in. \$ 7.50 ea.

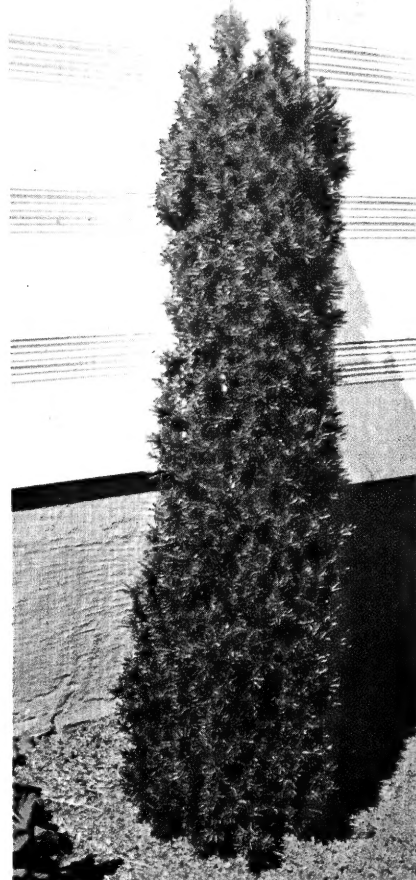
**COLORADO BLUE.** A very popular specimen tree with its beautiful blue color. Slow growing but reaching 40 to 60 feet at maturity. 18-24 in. \$7.00 ea., 2-3 ft. \$8.50 ea. 3-4 ft. \$12.00 ea.

**COLORADO GREEN.** Same habit of growth as Colorado Blue excepting deep green foliage, sometimes touched with blue shadings. 2-3 ft. \$4.00 ea., 3-4 ft. \$5.00 ea.

**KOSTER BLUE.** A grafted tree growing somewhat irregular when young but later very symmetrical and shapely. Foliage is deep, silvery blue, retaining its color well over winter. A very desirable specimen tree. 24-30 in. \$15.00 ea., 3-4 ft. \$20.00 ea. 4-5 ft. \$25.00 ea.

**NEST, Dwarf.** Very slow growing—quite old before reaching a height of 2-3 ft. and a spread of 4 to 5 ft. Shape is globular, compact and a bright green foliage. 12-15 in. \$5.00 ea., 15-18 in. \$6.50 ea.

**NORWAY.** Tall, compact, well-shaped pyramid with branches to the ground. Thick, short needles of deep green. Excellent for wind-breaks and tall hedges. Write for quantity prices and sizes available for this use. 3-4 ft. \$5.00 ea., 4-5 ft. \$6.00 ea.



UPRIGHT YEW

All plants **balled in earth** are securely wrapped with burlap. They cannot be sent by mail . . . either express or motor freight, and sold f.o.b. Wenatchee, Wash.

Large specimen sizes available in some evergreen varieties listed. Also, we have many fine garden plants in stock that are not listed in this catalog.

PYRAMIDAL ARBORVITAE

SPREADING JUNIPERS

MUGHO PINE

UPRIGHT JUNIPER

BERCKMAN'S GOLDEN ARBORVITAE

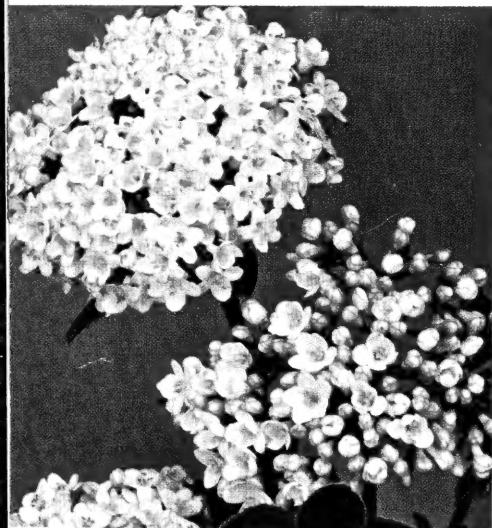


# Broadleaf Evergreens and Balled Shrubs

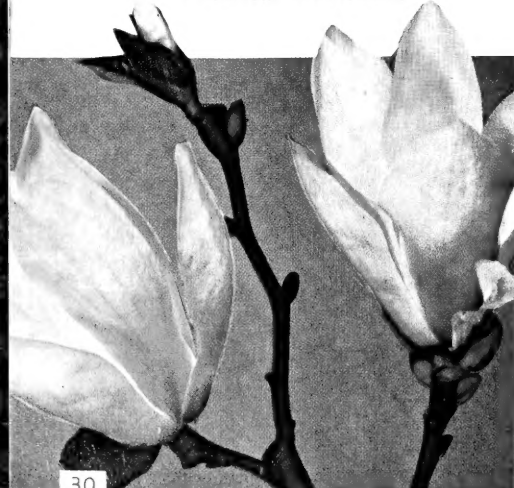
THE FOLLOWING PLANTS ARE BALLED IN EARTH AND SOLD F.O.B. WENATCHEE, WASHINGTON



FIRETHORN



VIBURNUM BURKWOODI



MAGNOLIA SOULANGEANA

## AZALEAS

**AMOENA.** Very hardy, small dark green leaves. Evergreen. Dense masses of small reddish-purple flowers.

12-15 in. \$3.75 ea.

**AMOENA COCCINEA.** Another very hardy Japanese variety similar to Amoena excepting bright red flowers and more dwarf growing. Evergreen.

10-12 in. \$3.50 ea.

**MOLLIS.** Large, waxy flowers cover the bush in May and June. Brilliant shades of orange and salmon. Deciduous.

12-15 in. \$3.75 ea., 15-18 in. \$4.75 ea.

## BARBERRY

**VERRUCULOSA.** A neat, evergreen shrub with informal elegance. Leaves have appearance of miniature holly, yellow flowers, blue-black berries.

12-15 in. \$2.75 ea., 15-18 in. \$3.50 ea.

## COTONEASTER

**HORIZONTALIS.** Low spreading semi-evergreen shrub with tiny glossy-green leaves which turn bright red in the fall. Red berries remain until late winter. Extremely hardy.

15-18 in. \$3.00 ea., 18-24 in. \$3.75 ea.

## DAPHNE

**CNEORUM.** Low growing evergreen, mat-forming with trailing branches 8-10 in. high, spreading to 3 ft. Masses of very fragrant rosy pink flowers.

Medium size \$3.00 ea., Large \$3.50 ea.

**MEZERUM.** Erect shrub 3-4 ft. high. Clusters of fragrant lilac-red flowers appear along the twigs before the leaves come. (February Daphne.)

Medium size \$3.25 ea., Large \$4.00 ea.

## DOGWOOD

**PINK FLOWERING.** In early May this small tree is a profusion of pink bloom, large, single distinctive form.

2-3 ft. \$4.50 ea., 3-4 ft. \$6.00 ea.

**WHITE FLOWERING.** Large white flowers appear in the spring before the leaves. Leaves brilliant crimson in fall.

2-3 ft. \$4.00 ea., 3-4 ft. \$5.50 ea.

## FIRETHORN

**PYRACANTHA.** Semi-evergreen, rich glossy-green foliage. White flowers during late spring followed by orange-red berries which remain late into winter.

18-24 in. \$3.00 ea., 24-30 in. \$3.50 ea.

## HEATHER

Easy to grow and they add a cheery note to any garden. Excellent cover for bare spots or in with evergreens.

**SCOTCH (Calluna).** A solid mass of rich rose colored bloom late summer. Grows about 18 in. tall. Deciduous.

10-12 in. \$2.00 ea., 12-15 in. \$2.50 ea.

**F. D. MAXWELL (Erica).** Evergreen. Mass of red bloom late July and August. Dwarf.

10-12 in. \$2.25 ea., 12-15 in. \$2.75 ea.

**MEDITERRANEAN (Erica).** Evergreen. Mass of pink bloom early spring. Dwarf.

10-12 in. \$2.25 ea., 12-15 in. \$2.75 ea.

## HOLLY

**JAPANESE (Ilex).** A beautiful slow-growing, dwarf evergreen. Small, oval, bright, glossy green leaves with small dark blue berries. Hardy.

12-15 in. \$2.75 ea.

## HYDRANGEA

**NIKKO BLUE.** Well rounded shrub 3-4 ft. high. Deciduous. Soft blue flower heads that last many weeks. Color depends upon acidity of the soil.

Medium size \$2.50 ea., Large \$3.50 ea.

## MAGNOLIA

**SOULANGEANA.** Small deciduous tree. Large, tulip-like, rose-pink flowers are produced in early spring just ahead of the foliage. Hardy.

2-3 ft. \$7.50 ea., 3-4 ft. \$10.00 ea.

## MAPLE

**BLOODLEAF.** Dwarf, slow-growing tree. The small dark red leaves are deeply cut and sawtoothed. Deciduous. Can also be trained as a tall, bushy shrub. Excellent for color contrast.

2-3 ft. \$5.50 ea., 3-4 ft. \$7.50 ea.

## OREGON GRAPE

(**MAHONIA**) Deep, glossy green, holly-like leaves. Evergreen. Bright yellow flowers followed by clusters of bright blue berries.

15-18 in. \$3.00 ea., 18-24 in. \$3.75 ea.

## VIBURNUM

**BURKWOODI.** Evergreen, rich glossy green foliage. White sweet gardenia scented flowers in early spring when the leaves are unfolding, forming round, domed clusters up to 4 in. wide. Waxy, green foliage. 5-6 ft. at maturity.

2-3 ft. \$4.00 ea., 3-4 ft. \$5.00 ea.

# IT'S CONVENIENT TO ORDER BY MAIL

## General Information - please read carefully

### ORDER BY MAIL WITH CONFIDENCE

We do our very best to give our customers absolute satisfaction and believe our products represent the best values in nursery stock that can be purchased today. Rather than attempt to include transportation costs in our prices, we feel our policy of charging you only the actual cost means savings for you. No charge is made for packaging. And unless instructed otherwise, we will ship the most economical way providing delivery in first class condition is assured.

### PARCEL POST SHIPMENTS f.o.b. NURSERY

Add 15% to cost of order to cover estimated postage . . . **any overpayment will be refunded** at time of shipment. When possible, orders will be sent by mail. Shipments too large to comply with postal regulations will be sent either Express or Motor Freight.

### WE PAY FREIGHT CHARGES

**Within the State of Washington** on shipments that weigh 100 pounds or over (excepting on Evergreens and other balled in earth shrubs). All shipments to points outside the State are sold f.o.b. Nursery.

### MINIMUM ORDER and TERMS OF PAYMENT

No shipping orders can be accepted for less than \$3.00. On orders of less than \$10.00, full payment should be sent with order. On larger orders, we request a 10% deposit with order and balance before shipment; or if desired we will ship C.O.D. For those who have established credit with us, our usual terms apply.

### FRUIT TREE PRICES BASED ON TOTAL QUANTITY

All Fruit Trees in an order take the same quantity price . . . example, a total of 10 assorted apple, peach, pear, etc., take "10 rate," or a total of 25 assorted varieties (and sizes) take "25 rate."

### STATE OF WASHINGTON SALES TAX

If you live in the State of Washington, add 4% Sales Tax **excepting** on sales of fruit trees or berry plants to **commercial growers** tax is not charged providing necessary Exemption Certificate is signed. **Special Form** provided on order blank.

### SHIPPING SEASON

Order early while assortment still is complete. Your order will be booked and reserved for planting time desired.

Depending upon weather conditions, just as soon as our stock is fully dormant in the fall we dig and bring into our modern storage where it is held in first class condition under controlled temperature and humidity . . . ready for delivery whenever weather conditions in your area permits planting. **Shipping Season** begins about November 15 and continues until late spring.

### PLANTING INSTRUCTIONS

Most failures are caused by improper planting and lack of proper care for first 30 days after planting. It is not at all difficult to give plants the proper start in life if you but follow the directions we send you at time of shipment.

### USUAL DISTANCES FOR PLANTINGS

Apple	25 to 40 feet apart
Pear	20 to 35 feet apart
Sweet Cherry	25 to 40 feet apart
Sour Cherry	20 to 25 feet apart
Plum	
Prune	
Apricot	
Peach	
Grapes	7 to 10 feet apart
Currants	4 to 6 feet apart
Gooseberries	4 to 6 feet apart
Raspberries	3 to 4 ft. x 5 to 7 ft.
Blackberries	3 to 4 ft. x 5 to 7 ft.
Boysenberries	7 x 7 ft.
<b>Strawberries</b> — Field culture: 1	
to 1½ by 2½ to 3½ feet. Gar-	
den culture: 1 to 2 feet.	

### NUMBER OF PLANTS FOR AN ACRE

No. Ft. Apart	Square Method	Triangle Method
10x10	435	505
11x11	360	414
12x12	302	349
13x13	257	295
14x14	222	255
15x15	193	222
16x16	170	190
17x17	150	172
18x18	134	158
19x19	120	138
20x20	108	125
22x22	90	104
24x24	76	88
25x25	69	80
27x27	60	69
30x30	43	55
33x33	40	46
35x35	35	40
36x36	33	38
40x40	27	31

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**OUR GUARANTEE:** To supply first quality stock, free from insect pest or plant disease and in good condition. If any fail to start growing after being properly planted and cared for, we will allow the purchase price as credit on replacement.

Any requests for replacement to be made in writing direct to our office within 90 days after planting (by May 15 following delivery on Fall orders).

All prices quoted in this catalog subject to change without notice.



### APPLE COLLECTION **A**

- 1 Lodi, summer apple
- 1 Nured McIntosh, fall apple
- 1 Yellow Delicious, winter apple

All 3 Trees, 5-7', Extra Select Grade  
(Regular Value \$5.85 — You Save \$1.10)

FOR ONLY **\$4<sup>75</sup>**

### APPLE COLLECTION **B**

- 1 Red Gravenstein, early fall apple
- 1 Blackjon, late fall apple
- 1 Royal Red Delicious, winter apple

All 3 Trees, 5-7', Extra Select Grade  
(Regular Value \$6.15 — You Save \$1.20)

FOR ONLY **\$4<sup>95</sup>**

### FAMILY ORCHARD COLLECTION **C**

- 1 Yellow Delicious    1 Sun-Glo Apricot
- 1 Bartlett Pear        1 Montmorency Cherry
- 1 Redhaven Peach    1 Early Italian Prune

All 6 Trees, 5-7', Extra Select Grade  
(Regular Value \$11.70 — You Save \$2.70)

FOR ONLY **\$9<sup>00</sup>**

Dwarf Peach Trees Add Color to the Garden

**A ROUND-UP OF MOST POPULAR  
VARIETIES FOR HOME GARDENS**

### PEACH COLLECTION **D**

- 1 Redhaven, early peach
- 1 Veteran, mid-season peach
- 1 Elberta, late peach

All 3 Trees, 5-7', Extra Select Grade  
(Regular Value \$5.85 — You Save \$1.10)

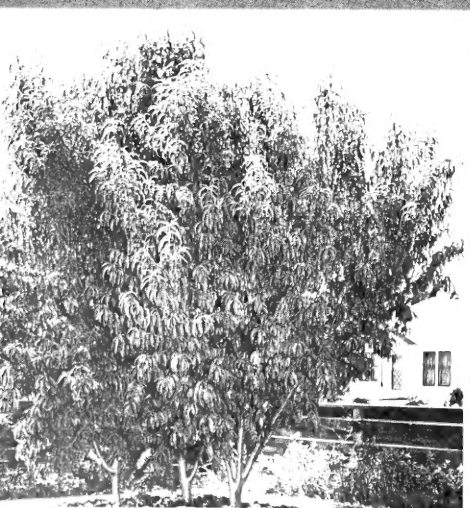
FOR ONLY **\$4<sup>75</sup>**

### HOME GARDEN COLLECTION **E**

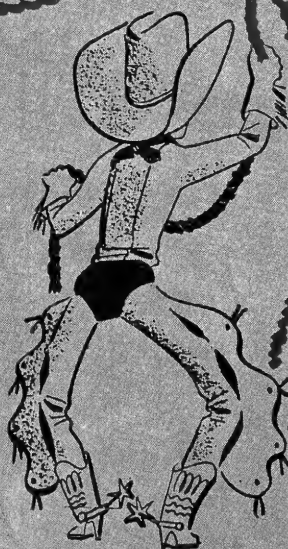
- 1 Nured McIntosh, fall apple
- 1 Veteran, mid-season peach
- 1 Tilton, early apricot
- 1 Montmorency, late pie cherry

All 4 Trees, 5-7', Extra Select Grade  
(Regular Value \$7.80 — You Save \$1.50)

FOR ONLY **\$6<sup>30</sup>**



Space Limited? Plant a Trio  
(3 TREES IN 1 HOLE)  
A Family Orchard from a 2 Ft. Plot



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